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10/767341

(FILE 'HOME' ENTERED AT 11:20:31 ON 22 APR 2005)

FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS,
LIFESCI' ENTERED AT 11:21:02 ON 22 APR 2005

L1 1308905 S KINASE?
L2 419733 S OXIDASE?
L3 149028 S NADPH
L4 23885 S L2 (A)L3
L5 12292 S HUMAN AND L4
L6 7035783 S CLON? OR EXPRESS? OR RECOMBINANT
L7 4193 S L5 AND L6
L8 709 S HUMAN(2W)L4
L9 1048437 S PLACENTA OR BURKITT(A)LYMPHOMA OR "B-CELLS" OR LEUKOCYT?
L10 136 S L8 AND L9
L11 93 DUP REM L10 (43 DUPLICATES REMOVED)
E SHAO W/AU
L12 284 S E3
E MERKULOV G V/AU
L13 171 S E3-E5
E DIFRANCESCO V/AU
L14 117 S E3-E4
E BEASLEY E M/AU
L15 325 S E3
L16 815 S L12 OR L13 OR L14 OR L15
L17 3 S L4 AND L16
L18 2 DUP REM L17 (1 DUPLICATE REMOVED)

=>

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NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 FEB 25 CA/CAPLUS - Russian Agency for Patents and Trademarks
(ROSPATENT) added to list of core patent offices covered
NEWS 4 FEB 28 PATDPAFULL - New display fields provide for legal status
data from INPADOC
NEWS 5 FEB 28 BABS - Current-awareness alerts (SDIs) available
NEWS 6 FEB 28 MEDLINE/LMEDLINE reloaded
NEWS 7 MAR 02 GBFULL: New full-text patent database on STN
NEWS 8 MAR 03 REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS 9 MAR 03 MEDLINE file segment of TOXCENTER reloaded
NEWS 10 MAR 22 KOREAPAT now updated monthly; patent information enhanced
NEWS 11 MAR 22 Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS 12 MAR 22 PATDPASPC - New patent database available
NEWS 13 MAR 22 REGISTRY/ZREGISTRY enhanced with experimental property tags
NEWS 14 APR 04 EPFULL enhanced with additional patent information and new
fields
NEWS 15 APR 04 EMBASE - Database reloaded and enhanced
NEWS 16 APR 18 New CAS Information Use Policies available online

NEWS EXPRESS JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
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FILE 'HOME' ENTERED AT 11:20:31 ON 22 APR 2005

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FILE 'LIFESCI' ENTERED AT 11:21:02 ON 22 APR 2005
COPYRIGHT (C) 2005 Cambridge Scientific Abstracts (CSA)

=> s kinase?

L1 1308905 KINASE?

=> s oxidase?

L2 419733 OXIDASE?

=> s NADPH

L3 149028 NADPH

=> s l2 (a)l3

L4 23885 L2 (A) L3

=> s human and l4

L5 12292 HUMAN AND L4

=> s clon? or express? or recombinant

5 FILES SEARCHED...

L6 7035783 CLON? OR EXPRESS? OR RECOMBINANT

=> s l5 and l6

L7 4193 L5 AND L6

=> s human(2w)l4

L8 709 HUMAN(2W) L4

=> s placenta or burkitt(a)lymphoma or "B-cells" or leukocyt?

1 FILES SEARCHED...

L9 1048437 PLACENTA OR BURKITT(A) LYMPHOMA OR "B-CELLS" OR LEUKOCYT?

=> s l8 and l9'

MISMATCHED QUOTE 'L8l1''

Quotation marks (or apostrophes) must be used in pairs,
one before and one after the expression you are setting
off or masking.

=> s 18 and 19
L10 136 L8 AND L9

=> dup rem l10
PROCESSING COMPLETED FOR L10
L11 93 DUP REM L10 (43 DUPLICATES REMOVED)

=> d 1-93 ibib

L11 ANSWER 1 OF 93 LIFESCI COPYRIGHT 2005 CSA on STN
ACCESSION NUMBER: 2005:25129 LIFESCI
TITLE: Fungal Metabolite Gliotoxin Targets Flavocytochrome b
sub(558) in the Activation of the **Human**
Neutrophil **NADPH Oxidase**
AUTHOR: Nishida, Satoshi; Yoshida, Lucia S.; Shimoyama, Takashi;
Nunoi, Hiroyuki; Kobayashi, Toshihiro; Tsunawaki, Shohko
CORPORATE SOURCE: Department of Infectious Diseases, National Research
Institute for Child Health and Development, Setagaya,
Tokyo. Department of Pediatrics, Miyazaki Medical College,
University of Miyazaki, Kiyotake, Miyazaki. Department of
Anatomy and Cell Biology, Kochi Medical School, Kochi
University, Nankoku, Kochi. Japan Science and Technology
Corp., Kawaguchi, Saitama, Japan
SOURCE: Infection and Immunity [Infect. Immun.], (20050100) vol.
73, no. 1, pp. 235-244.
ISSN: 0019-9567.
DOCUMENT TYPE: Journal
FILE SEGMENT: K; F
LANGUAGE: English
SUMMARY LANGUAGE: English

L11 ANSWER 2 OF 93 LIFESCI COPYRIGHT 2005 CSA on STN
ACCESSION NUMBER: 2004:93120 LIFESCI
TITLE: Distinct Ligand-dependent Roles for p38 MAPK in Priming and
Activation of the Neutrophil NADPH Oxidase
AUTHOR: Brown, G.E.; Stewart, M.Q.; Bissonnette, S.A.; Elia,
A.E.H.; Wilker, E.; Yaffe, M.B.
CORPORATE SOURCE: Department of Surgery, Beth Israel Deaconess Medical
Center, Boston, Massachusetts 02130; E-mail: myaffe@mit.edu
SOURCE: Journal of Biological Chemistry [J. Biol. Chem.], (20040625
) vol. 279, no. 26, pp. 27059-27068.
ISSN: 0021-9258.
DOCUMENT TYPE: Journal
FILE SEGMENT: F
LANGUAGE: English
SUMMARY LANGUAGE: English

L11 ANSWER 3 OF 93 LIFESCI COPYRIGHT 2005 CSA on STN
ACCESSION NUMBER: 2005:19224 LIFESCI
TITLE: Site-Specific Inhibitors of NADPH Oxidase Activity and
Structural Probes of Flavocytochrome b: Characterization of
Six Monoclonal Antibodies to the p22 super(phox) Subunit
AUTHOR: Taylor, Ross M.; Burritt, James B.; Baniulis, Danas;
Foubert, Thomas R.; Lord, Connie I.; Dinauer, Mary C.;
Parkos, Charles A.; Jesaitis, Algirdas J.
CORPORATE SOURCE: Department of Microbiology, Montana State University,
Bozeman, Montana
SOURCE: Journal of Immunology [J. Immunol.], (20041215) vol. 173,
no. 12, pp. 7349-7357.
ISSN: 0022-1767.
DOCUMENT TYPE: Journal
FILE SEGMENT: F

LANGUAGE: English
SUMMARY LANGUAGE: English

L11 ANSWER 4 OF 93 MEDLINE on STN DUPLICATE 1
ACCESSION NUMBER: 2004257081 MEDLINE
DOCUMENT NUMBER: PubMed ID: 15155643
TITLE: Fungal metabolite gliotoxin inhibits assembly of the
human respiratory burst **NADPH**
oxidase.
AUTHOR: Tsunawaki Shohko; Yoshida Lucia S; Nishida Satoshi;
Kobayashi Toshihiro; Shimoyama Takashi
CORPORATE SOURCE: Department of Infectious Diseases, National Research
Institute for Child Health and Development, Setagaya, Tokyo
154-8567, Japan.. tsunawaki@nch.go.jp
SOURCE: Infection and immunity, (2004 Jun) 72 (6) 3373-82.
Journal code: 0246127. ISSN: 0019-9567.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200406
ENTRY DATE: Entered STN: 20040525
Last Updated on STN: 20040625
Entered Medline: 20040623

L11 ANSWER 5 OF 93 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2004:1012837 HCAPLUS
DOCUMENT NUMBER: 142:91970
TITLE: NADPH oxidase mediates vascular endothelial cadherin
phosphorylation and endothelial dysfunction
AUTHOR(S): Nwariaku, Fiemu E.; Liu, Zijuan; Zhu, Xudong; Nahari,
Dorit; Ingle, Christine; Wu, Ru Feng; Gu, Ying;
Sarosi, George; Terada, Lance S.
CORPORATE SOURCE: Departments of Surgery and Pulmonary Medicine,
University of Texas Southwestern Medical Center,
Dallas, TX, USA
SOURCE: Blood (2004), 104(10), 3214-3220
CODEN: BLOOAW; ISSN: 0006-4971
PUBLISHER: American Society of Hematology
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 6 OF 93 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2004:144870 HCAPLUS
DOCUMENT NUMBER: 140:216132
TITLE: Role of Nicotinamide Adenine Dinucleotide Phosphate
Oxidase 1 in Oxidative Burst Response to Toll-Like
Receptor 5 Signaling in Large Intestinal Epithelial
Cells
AUTHOR(S): Kawahara, Tsukasa; Kuwano, Yuki; Teshima-Kondo,
Shigetada; Takeya, Ryu; Sumimoto, Hideki; Kishi,
Kyoichi; Tsunawaki, Shohko; Hirayama, Toshiya;
Rokutan, Kazuhito
CORPORATE SOURCE: School of Medicine, Department of Nutrition,
University of Tokushima, Tokushima, Japan
SOURCE: Journal of Immunology (2004), 172(5), 3051-3058
CODEN: JOIMA3; ISSN: 0022-1767
PUBLISHER: American Association of Immunologists
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 7 OF 93 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2004:673406 HCAPLUS
 DOCUMENT NUMBER: 141:407858
 TITLE: NADPH oxidase and cyclooxygenase mediate the ultraviolet B-induced generation of reactive oxygen species and activation of nuclear factor- κ B in HaCaT human keratinocytes
 AUTHOR(S): Beak, Sung Mok; Lee, Yong Soo; Kim, Jung-Ae
 CORPORATE SOURCE: College of Pharmacy, Yeungnam University, Gyongsan, 712-749, S. Korea
 SOURCE: Biochimie (2004), 86(7), 425-429
 CODEN: BICMBE; ISSN: 0300-9084
 PUBLISHER: Elsevier
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 REFERENCE COUNT: 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 8 OF 93 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2004:302982 HCAPLUS
 DOCUMENT NUMBER: 140:350190
 TITLE: Involvement of NADPH oxidase-mediated generation of reactive oxygen species in the apoptotic cell death by capsaicin in HepG2 human hepatoma cells
 AUTHOR(S): Lee, Yong Soo; Kang, Young Shin; Lee, Ji-Seon; Nicolova, Sevdalina; Kim, Jung-Ae
 CORPORATE SOURCE: College of Pharmacy, Duksung Women's University, Seoul, 132-714, S. Korea
 SOURCE: Free Radical Research (2004), 38(4), 405-412
 CODEN: FRALER; ISSN: 1071-5762
 PUBLISHER: Taylor & Francis Ltd.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 REFERENCE COUNT: 47 THERE ARE 47 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 9 OF 93 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2004:558594 HCAPLUS
 DOCUMENT NUMBER: 141:188934
 TITLE: Role of NADPH oxidase-mediated superoxide production in the regulation of E-selectin expression by endothelial cells subjected to anoxia/reoxygenation
 AUTHOR(S): Rupin, Alain; Paysant, Jerome; Sansilvestri-Morel, Patricia; Lembrez, Nathalie; Lacoste, Jean-Michel; Cordi, Alex; Verbeuren, Tony J.
 CORPORATE SOURCE: Division of Angiology, Servier Research Institute, Suresnes, 92150, Fr.
 SOURCE: Cardiovascular Research (2004), 63(2), 323-330
 CODEN: CVREAU; ISSN: 0008-6363
 PUBLISHER: Elsevier Science B.V.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 REFERENCE COUNT: 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 10 OF 93 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2004:505045 HCAPLUS
 DOCUMENT NUMBER: 141:81933
 TITLE: Apocynin prevents cyclooxygenase 2 expression in human monocytes through NADPH oxidase and glutathione redox-dependent

mechanisms
AUTHOR(S): Barbieri, Silvia S.; Cavalca, Viviana; Eligini, Sonia;
Brambilla, Marta; Caiani, Alessia; Tremoli, Elena;
Colli, Susanna
CORPORATE SOURCE: Department of Pharmacological Sciences, E. Grossi
Paoletti Center, Milan, Italy
SOURCE: Free Radical Biology & Medicine (2004), 37(2), 156-165
CODEN: FRBMEH; ISSN: 0891-5849
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 49 THERE ARE 49 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 11 OF 93 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2003:962637 HCAPLUS
DOCUMENT NUMBER: 140:108816
TITLE: Arachidonic acid triggers an oxidative burst in
leukocytes
AUTHOR(S): Pompeia, C.; Cury-Boaventura, M. F.; Curi, R.
CORPORATE SOURCE: National Cancer Institute, National Institutes of
Health, Frederick, MD, USA
SOURCE: Brazilian Journal of Medical and Biological Research
(2003), 36(11), 1549-1560
CODEN: BJMRDK; ISSN: 0100-879X
PUBLISHER: Associacao Brasileira de Divulgacao Cientifica
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 12 OF 93 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2004:135192 HCAPLUS
DOCUMENT NUMBER: 140:285504
TITLE: Modulation of the Reactive Oxygen Species (ROS)
generation mediated by cyclic AMP-elevating agents or
Interleukin 10 in granulocytes from type 2 diabetic
patients (NIDDM): a PKA-independent phenomenon
AUTHOR(S): Nogueira-Machado, J. A.; Lima E Silva, F. C.; Medina,
L. O.; Costa, D. C.; Chaves, M. M.
CORPORATE SOURCE: Belo Horizonte, 30150-221, Brazil
SOURCE: Diabetes & Metabolism (2003), 29(5), 533-537
CODEN: DIMEFW; ISSN: 1262-3636
PUBLISHER: Masson Editeur
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 13 OF 93 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2004:537351 HCAPLUS
DOCUMENT NUMBER: 142:86526
TITLE: Localization of NADPH oxidase in human
leukocytes and inhibitory effects of gliotoxin
on it
AUTHOR(S): Li, Guangjun; Zhong, Cisheng; Seguchi, Harumichi
CORPORATE SOURCE: Medical College, Tongji University, Shanghai, 200331,
Peop. Rep. China
SOURCE: Fudan Xuebao, Yixueban (2003), 30(5), 455-459
CODEN: FXYUAO
PUBLISHER: Fudan Xuebao, Yixueban Bianji Weiyuanhui
DOCUMENT TYPE: Journal
LANGUAGE: Chinese

L11 ANSWER 14 OF 93 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN

ACCESSION NUMBER: 2004:26933 BIOSIS
DOCUMENT NUMBER: PREV200400028105
TITLE: Gene therapy for chronic granulomatous disease.
AUTHOR(S): Goebel, W. Scott; Dinauer, Mary C. [Reprint Author]
CORPORATE SOURCE: Cancer Research Institute, Indiana University School of
Medicine, 1044 W. Walnut Street, R4, Indianapolis, IN,
46202, USA
mdinauer@iupui.edu
SOURCE: Acta Haematologica (Basel), (October 2003) Vol. 110, No.
2-3, pp. 86-92. print.
CODEN: ACHAAH. ISSN: 0001-5792.
DOCUMENT TYPE: Article
General Review; (Literature Review)
LANGUAGE: English
ENTRY DATE: Entered STN: 31 Dec 2003
Last Updated on STN: 31 Dec 2003

L11 ANSWER 15 OF 93 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN

ACCESSION NUMBER: 2003-06720 BIOTECHDS
TITLE: New peptide from NADPH oxidase family, useful for preparing a
pharmaceutical composition for treating a disease or
condition mediated by a human enzyme protein e.g.,
Burkitt lymphoma;
human recombinant protein production and its encoding gene
useful for cancer gene therapy
AUTHOR: SHAO W; MERKULOV G V; DI FRANCESCO V; BEASLEY E M
PATENT ASSIGNEE: PE CORP NY
PATENT INFO: WO 2002079224 10 Oct 2002
APPLICATION INFO: WO 2002-US9144 26 Mar 2002
PRIORITY INFO: US 2001-820005 29 Mar 2001; US 2001-820005 29 Mar 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-040646 [03]

L11 ANSWER 16 OF 93 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2002:283664 HCAPLUS
DOCUMENT NUMBER: 137:30948
TITLE: NADPH oxidase promotes NF- κ B activation and
proliferation in human airway smooth muscle
AUTHOR(S): Brar, Sukhdev S.; Kennedy, Thomas P.; Sturrock, Anne
B.; Huecksteadt, Thomas P.; Quinn, Mark T.; Murphy,
Thomas M.; Chitano, Pasquale; Hoidal, John R.
CORPORATE SOURCE: Department of Internal Medicine, Cannon Research
Center, Carolinas Medical Center, Charlotte, NC,
28232, USA
SOURCE: American Journal of Physiology (2002), 282(4, Pt. 1),
L782-L795
CODEN: AJPHAP; ISSN: 0002-9513
PUBLISHER: American Physiological Society
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 61 THERE ARE 61 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 17 OF 93 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2002:811640 HCAPLUS
DOCUMENT NUMBER: 138:300980
TITLE: Correlation between NADPH oxidase and protein kinase C
in the ROS production by human granulocytes related to
age

AUTHOR(S) : Martins Chaves, Miriam; Prates Rodrigues, Andreia
Laura; Pereira dos Reis, Ataulpa; Gerzstein, Nestor
CORPORATE SOURCE: Instituto de Ciencias Biologicas, Departamento de
Bioquimica e Imunologia, Universidade Federal de Minas
Gerais, Belo Horizonte, 30161-970, Brazil
SOURCE: Gerontology (Basel, Switzerland) (2002), 48(6),
354-359
CODEN: GERNDJ; ISSN: 0304-324X
PUBLISHER: S. Karger AG
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 18 OF 93 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2002:662701 HCAPLUS
DOCUMENT NUMBER: 138:86961
TITLE: A comparison of the NADPH oxidase in human sperm and
white blood cells
AUTHOR(S) : Armstrong, Jeffrey S.; Bivalacqua, Trinity J.;
Chamulitrat, Walee; Sikka, Suresh; Hellstrom, Wayne J.
G.
CORPORATE SOURCE: Department of Biochemistry, Emory University School of
Medicine, Atlanta, GA, USA
SOURCE: International Journal of Andrology (2002), 25(4),
223-229
CODEN: IJANDP; ISSN: 0105-6263
PUBLISHER: Blackwell Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 19 OF 93 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2001:843454 HCAPLUS
DOCUMENT NUMBER: 136:165126
TITLE: NADPH oxidase activity changes by atherogenic and
atheroprotective lipoproteins
AUTHOR(S) : Kopprasch, S.; Graessler, J.; Schroder, H. E.;
Pietzsch, J.
CORPORATE SOURCE: Department of Internal Medicine 3, C.G.Carus Medical
School, Dresden, D-01307, Germany
SOURCE: Bioluminescence & Chemiluminescence, Proceedings of
the International Symposium, 11th, Pacific Grove, CA,
United States, Sept. 6-10, 2000 (2001), Meeting Date
2000, 419-422. Editor(s): Case, James F. World
Scientific Publishing Co. Pte. Ltd.: Singapore,
Singapore.
CODEN: 69CAFI
DOCUMENT TYPE: Conference
LANGUAGE: English
REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 20 OF 93 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2001:368950 HCAPLUS
DOCUMENT NUMBER: 136:113458
TITLE: Homologs of gp91phox: cloning and tissue expression of
Nox3, Nox4, and Nox5
AUTHOR(S) : Cheng, G.; Cao, Z.; Xu, X.; Meir, E. G. V.; Lambeth,
J. D.
CORPORATE SOURCE: Department of Biochemistry, Emory University School of

SOURCE: Medicine, Atlanta, GA, 30322, USA
Gene (2001), 269(1-2), 131-140
CODEN: GENED6; ISSN: 0378-1119
PUBLISHER: Elsevier Science B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 21 OF 93 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on
STN

ACCESSION NUMBER: 2001:194527 SCISEARCH
THE GENUINE ARTICLE: 405KZ
TITLE: Roles of phosphatidylinositol 3-kinase and phospholipase D
in temporal activation of superoxide production in
FMLP-stimulated human neutrophils
AUTHOR: Yasui K (Reprint); Komiyama A
CORPORATE SOURCE: Shinshu Univ, Sch Med, Dept Pediat, Asahi 3-1-1,
Matsumoto, Nagano 3908621, Japan (Reprint); Shinshu Univ,
Sch Med, Dept Pediat, Matsumoto, Nagano 3908621, Japan
COUNTRY OF AUTHOR: Japan
SOURCE: CELL BIOCHEMISTRY AND FUNCTION, (MAR 2001) Vol. 19, No. 1,
pp. 43-50.
Publisher: JOHN WILEY & SONS LTD, BAFFINS LANE CHICHESTER,
W SUSSEX PO19 1UD, ENGLAND.
ISSN: 0263-6484.
DOCUMENT TYPE: Article; Journal
LANGUAGE: English
REFERENCE COUNT: 35
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L11 ANSWER 22 OF 93 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2000:535950 HCAPLUS
DOCUMENT NUMBER: 133:263151
TITLE: Cloning of two human thyroid cDNAs encoding new
members of the NADPH oxidase family
AUTHOR(S): De Deken, Xavier; Wang, Dantong; Many,
Marie-Christine; Costagliola, Sabine; Libert,
Frederick; Vassart, Gilbert; Dumont, Jacques E.; Miot,
Francoise
CORPORATE SOURCE: Institut de Recherche Interdisciplinaire and Hopital
Erasmus, Universite Libre De Bruxelles, Brussels, 1070,
Belg.
SOURCE: Journal of Biological Chemistry (2000), 275(30),
23227-23233
CODEN: JBCHA3; ISSN: 0021-9258
PUBLISHER: American Society for Biochemistry and Molecular
Biology
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 23 OF 93 MEDLINE on STN DUPLICATE 2

ACCESSION NUMBER: 2001111851 MEDLINE
DOCUMENT NUMBER: PubMed ID: 11056390
TITLE: Relationships of p40(phox) with p67(phox) in the activation
and expression of the human respiratory burst
NADPH oxidase.
AUTHOR: Tsunawaki S; Yoshikawa K
CORPORATE SOURCE: Department of Infectious Disease, National Children's
Medical Research Center, Taishido, Setagaya-ku, Tokyo
154-8509, Japan.. tsunawaki-s@nch.go.jp

SOURCE: Journal of biochemistry, (2000 Nov) 128 (5) 777-83.
Journal code: 0376600. ISSN: 0021-924X.
PUB. COUNTRY: Japan
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200102
ENTRY DATE: Entered STN: 20010322
Last Updated on STN: 20010322
Entered Medline: 20010208

L11 ANSWER 24 OF 93 LIFESCI COPYRIGHT 2005 CSA on STN
ACCESSION NUMBER: 2001:94071 LIFESCI
TITLE: Fungal Gliotoxin Targets the Onset of Superoxide-Generating
NADPH Oxidase of Human Neutrophils
AUTHOR: Yoshida, L.S.; Abe, S.; Tsunawaki, S.*
CORPORATE SOURCE: Department of Infectious Disease, National Children's
Medical Research Center, 3-35-31, Taishido, Setagaya-ku,
Tokyo, 154-8509, Japan; E-mail: tsunawaki-s@nch.go.jp
SOURCE: Biochemical and Biophysical Research Communications
[Biochem. Biophys. Res. Commun.], (20000224) vol. 268, no.
3, pp. 716-723.
ISSN: 0006-291X.
DOCUMENT TYPE: Journal
FILE SEGMENT: F
LANGUAGE: English
SUMMARY LANGUAGE: English

L11 ANSWER 25 OF 93 MEDLINE on STN
ACCESSION NUMBER: 2000094695 MEDLINE
DOCUMENT NUMBER: PubMed ID: 10627478
TITLE: Four novel mutations in the gene encoding gp91-phox of
human NADPH oxidase:
consequences for oxidase assembly.
AUTHOR: Leusen J H; Meischl C; Eppink M H; Hilarius P M; de Boer M;
Weening R S; Ahlin A; Sanders L; Goldblatt D; Skopczynska
H; Bernatowska E; Palmblad J; Verhoeven A J; van Berkel W
J; Roos D
CORPORATE SOURCE: Central Laboratory of The Netherlands Red Cross Blood
Transfusion Service, the Laboratory of Experimental and
Clinical Immunology, and the Emma Children's Hospital,
Academic Medical Center, University of Amsterdam,
Amsterdam, The Netherlands.
SOURCE: Blood, (2000 Jan 15) 95 (2) 666-73.
Journal code: 7603509. ISSN: 0006-4971.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 200002
ENTRY DATE: Entered STN: 20000209
Last Updated on STN: 20000209
Entered Medline: 20000203

L11 ANSWER 26 OF 93 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2000:615927 HCAPLUS
DOCUMENT NUMBER: 134:159373
TITLE: NADPH oxidase subunit, gp91phox homologue,
preferentially expressed in human colon epithelial
cells
AUTHOR(S): Kikuchi, H.; Hikage, M.; Miyashita, H.; Fukumoto, M.
CORPORATE SOURCE: Department of Molecular Genetics, Institute of
Development, Aging and Cancer, Tohoku University,

SOURCE: Sendai, 980-8575, Japan
Gene (2000), 254(1,2), 237-243
CODEN: GENED6; ISSN: 0378-1119
PUBLISHER: Elsevier Science B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 27 OF 93 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN DUPLICATE 3

ACCESSION NUMBER: 1999394175 EMBASE
TITLE: Role of p38 in the priming of human neutrophils by
peritoneal dialysis effluent.
AUTHOR: Daniels I.; Fletcher J.; Haynes A.P.
CORPORATE SOURCE: I. Daniels, Medical Research Centre, City Hospital,
Hucknall Road, Nottingham NG5 1PB, United Kingdom.
iandaniels25@hotmail.com
SOURCE: Clinical and Diagnostic Laboratory Immunology, (1999) Vol.
6, No. 6, pp. 878-884.
Refs: 38
ISSN: 1071-412X CODEN: CDIMEN
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 026 Immunology, Serology and Transplantation
028 Urology and Nephrology
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 19991202
Last Updated on STN: 19991202

L11 ANSWER 28 OF 93 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on
STN

ACCESSION NUMBER: 1999:552903 SCISEARCH
THE GENUINE ARTICLE: 215PQ
TITLE: The phagocyte chemiluminescence paradox: luminol can act
as an inhibitor of neutrophil NADPH-oxidase activity
AUTHOR: Faldt J (Reprint); Ridell M; Karlsson A; Dahlgren C
CORPORATE SOURCE: GOTHENBURG UNIV, DEPT MED MICROBIOL & IMMUNOL,
GULDHEDSGATAN 10, S-41346 GOTHENBURG, SWEDEN (Reprint)
COUNTRY OF AUTHOR: SWEDEN
SOURCE: LUMINESCENCE, (MAY-JUN 1999) Vol. 14, No. 3, pp. 153-160.
Publisher: JOHN WILEY & SONS LTD, BAFFINS LANE CHICHESTER,
W SUSSEX PO19 1UD, ENGLAND.
ISSN: 1522-7235.
DOCUMENT TYPE: Article; Journal
FILE SEGMENT: LIFE
LANGUAGE: English
REFERENCE COUNT: 44

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L11 ANSWER 29 OF 93 LIFESCI COPYRIGHT 2005 CSA on STN

ACCESSION NUMBER: 1999:3943 LIFESCI
TITLE: Mutation at Histidine 338 of gp91phox Depletes FAD and
Affects Expression of Cytochrome b sub(558) of the
Human NADPH Oxidase
AUTHOR: Yoshida, L.S.; Saruta, F.; Yoshikawa, K.; Tatsuzawa, O.;
Tsunawaki, S.
CORPORATE SOURCE: National Children's Medical Research Center, Setagaya-ku
Tokyo, 154-8509 Japan
SOURCE: J. Biol. Chem., (19981023) vol. 273, no. 43, pp.
27879-27886.

ISSN: 0021-9258.
DOCUMENT TYPE: Journal
FILE SEGMENT: G
LANGUAGE: English
SUMMARY LANGUAGE: English

L11 ANSWER 30 OF 93 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN

ACCESSION NUMBER: 1998141743 EMBASE
TITLE: Galectin-3 activates the NADPH-oxidase in exudated but not peripheral blood neutrophils.
AUTHOR: Karlsson A.; Foilin P.; Leffler H.; Dahlgren C.
CORPORATE SOURCE: Dr. A. Karlsson, Phagocyte Research Laboratory, Dept. of Med. Microbiol./Immunology, Guldhedsgatan 10, S-413 46 Goteborg, Sweden
SOURCE: Blood, (1 May 1998) Vol. 91, No. 9, pp. 3430-3438.
Refs: 53
ISSN: 0006-4971 CODEN: BLOOAW
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 025 Hematology
026 Immunology, Serology and Transplantation
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 19980611
Last Updated on STN: 19980611

L11 ANSWER 31 OF 93 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on
STN DUPLICATE 4

ACCESSION NUMBER: 1998:699512 SCISEARCH
THE GENUINE ARTICLE: 117NF
TITLE: Role of arachidonic acid and its metabolites in the priming of NADPH oxidase in human polymorphonuclear **leukocytes** by peritoneal dialysis effluent
AUTHOR: Daniels I (Reprint); Lindsay M A; Keany C I C; Burden R P; Fletcher J; Haynes A P
CORPORATE SOURCE: CITY HOSP NOTTINGHAM, MED RES CTR, HUCKNALL RD, NOTTINGHAM NG5 1PB, ENGLAND (Reprint); CITY HOSP NOTTINGHAM, DEPT RENAL MED, NOTTINGHAM NG5 1PB, ENGLAND
COUNTRY OF AUTHOR: ENGLAND
SOURCE: CLINICAL AND DIAGNOSTIC LABORATORY IMMUNOLOGY, (SEP 1998) Vol. 5, No. 5, pp. 683-689.
Publisher: AMER SOC MICROBIOLOGY, 1325 MASSACHUSETTS AVENUE, NW, WASHINGTON, DC 20005-4171.
ISSN: 1071-412X.
DOCUMENT TYPE: Article; Journal
FILE SEGMENT: LIFE
LANGUAGE: English
REFERENCE COUNT: 52
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L11 ANSWER 32 OF 93 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN DUPLICATE 5

ACCESSION NUMBER: 96222271 EMBASE
DOCUMENT NUMBER: 1996222271
TITLE: Assembly of the **human** neutrophil **NADPH oxidase** involves binding of p67(phox) and flavocytochrome b to a common functional domain in p47(phox).
AUTHOR: De Leo F.R.; Ulman K.V.; Davis A.R.; Jutila K.L.; Quinn M.T.
CORPORATE SOURCE: Veterinary Molecular Biology Dept., Montana State University, Bozeman, MT 59715, United States

SOURCE: Journal of Biological Chemistry, (1996) Vol. 271, No. 29,
pp. 17013-17020.
ISSN: 0021-9258 CODEN: JBCHA3
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 961028
Last Updated on STN: 961028

L11 ANSWER 33 OF 93 MEDLINE on STN DUPLICATE 6
ACCESSION NUMBER: 96270602 MEDLINE
DOCUMENT NUMBER: PubMed ID: 8692878
TITLE: Different functions for the interleukin 8 receptors (IL-8R)
of **human neutrophil leukocytes**:
NADPH oxidase and phospholipase D are
activated through IL-8R1 but not IL-8R2.
AUTHOR: Jones S A; Wolf M; Qin S; Mackay C R; Baggiolini M
CORPORATE SOURCE: Theodor Kocher Institute, University of Bern, Switzerland.
SOURCE: Proceedings of the National Academy of Sciences of the
United States of America, (1996 Jun 25) 93 (13) 6682-6.
Journal code: 7505876. ISSN: 0027-8424.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199608
ENTRY DATE: Entered STN: 19960911
Last Updated on STN: 20000303
Entered Medline: 19960823

L11 ANSWER 34 OF 93 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1996:610451 HCAPLUS
DOCUMENT NUMBER: 125:267088
TITLE: Genomic structure, chromosomal localization, start of
transcription, and tissue expression of the human
p40-phox, a new component of the nicotinamide adenine
dinucleotide phosphate-oxidase complex
AUTHOR(S): Zhan, Shixing; Vazquez, Nancy; Zhan, Shili; Wientjes,
Frans B.; Budarf, Marcia L.; Schrock, Evelin; Ried,
Thomas; Green, Eric D.; Chanock, Stephen J.
CORPORATE SOURCE: National Cancer Inst., National Institutes of Health,
Bethesda, MD, USA
SOURCE: Blood (1996), 88(7), 2714-2721
CODEN: BLOOAW; ISSN: 0006-4971
PUBLISHER: Saunders
DOCUMENT TYPE: Journal
LANGUAGE: English

L11 ANSWER 35 OF 93 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on
STN DUPLICATE 7
ACCESSION NUMBER: 96:375960 SCISEARCH
THE GENUINE ARTICLE: UJ994
TITLE: IDENTIFICATION OF NEUTROPHIL NADPH OXIDASE PROTEINS
GP91-PHOX, P22-PHOX, P67-PHOX, AND P47-PHOX IN
MAMMALIAN-SPECIES
AUTHOR: HITT N D; KLEINBERG M E (Reprint)
CORPORATE SOURCE: UNIV MARYLAND, SCH MED, COMPARAT MED PROGRAM, 10 S PINE
ST, BALTIMORE, MD, 21201 (Reprint); UNIV MARYLAND, SCH
MED, COMPARAT MED PROGRAM, BALTIMORE, MD, 21201; UNIV
MARYLAND, SCH MED, DEPT MED, BALTIMORE, MD, 21201;
BALTIMORE VA MED CTR, RES SERV, BALTIMORE, MD, 21201

COUNTRY OF AUTHOR: USA
SOURCE: AMERICAN JOURNAL OF VETERINARY RESEARCH, (MAY 1996) Vol.
57, No. 5, pp. 672-676.
ISSN: 0002-9645.
DOCUMENT TYPE: Article; Journal
FILE SEGMENT: AGRI
LANGUAGE: ENGLISH
REFERENCE COUNT: 32
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L11 ANSWER 36 OF 93 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on
STN

ACCESSION NUMBER: 96:101966 SCISEARCH
THE GENUINE ARTICLE: TR393
TITLE: SPERMINE SUPPRESSES THE ACTIVATION OF **HUMAN**
NEUTROPHIL **NADPH OXIDASE** IN CELL-FREE
AND SEMI-RECOMBINANT SYSTEMS
AUTHOR: OGATA K; NISHIMOTO N; UHLINGER D J; IGARASHI K; TAKESHITA
M; TAMURA M (Reprint)
CORPORATE SOURCE: EHIME UNIV, FAC ENGN, DEPT APPL CHEM, MATSUYAMA, EHIME
790, JAPAN (Reprint); EHIME UNIV, FAC ENGN, DEPT APPL
CHEM, MATSUYAMA, EHIME 790, JAPAN; OITA MED UNIV, DEPT
BIOCHEM, HASAMA, OITA 87955, JAPAN; EMORY UNIV, SCH MED,
DEPT BIOCHEM, ATLANTA, GA, 30322; CHIBA UNIV, FAC
PHARMACEUT SCI, YAYOI, CHIBA 263, JAPAN
COUNTRY OF AUTHOR: JAPAN; USA
SOURCE: BIOCHEMICAL JOURNAL, (15 JAN 1996) Vol. 313, Part 2, pp.
549-554.
ISSN: 0264-6021.
DOCUMENT TYPE: Article; Journal
FILE SEGMENT: LIFE
LANGUAGE: ENGLISH
REFERENCE COUNT: 36
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L11 ANSWER 37 OF 93 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on
STN

ACCESSION NUMBER: 1997:202616 BIOSIS
DOCUMENT NUMBER: PREV199799501819
TITLE: Interactions between the components of the **human**
NADPH oxidase: Intrigues in the phox
family.
AUTHOR(S): Leusen, Jeanette H. W.; Verhoeven, Arthur J.; Roos, Dirk
[Reprint author]
CORPORATE SOURCE: Dep. Experimental Immunohematol., Plesmanlaan 125, 1066 CX
Amsterdam, Netherlands
SOURCE: Journal of Laboratory and Clinical Medicine, (1996) Vol.
128, No. 5, pp. 461-476.
CODEN: JLCMAK. ISSN: 0022-2143.
DOCUMENT TYPE: Article
General Review; (Literature Review)
LANGUAGE: English
ENTRY DATE: Entered STN: 12 May 1997
Last Updated on STN: 12 May 1997

L11 ANSWER 38 OF 93 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on
STN DUPLICATE 8

ACCESSION NUMBER: 96:312960 SCISEARCH
THE GENUINE ARTICLE: UF304
TITLE: **HUMAN NEUTROPHIL NADPH-OXIDASE**
ACTIVITY IS INHIBITED BY LAZAROID
AUTHOR: THERON A J (Reprint); ANDERSON R
CORPORATE SOURCE: UNIV PRETORIA, INST PATHOL, DEPT IMMUNOL, MRC, UNIT

COUNTRY OF AUTHOR: INFLAMMAT & IMMUN, PRETORIA 0002, SOUTH AFRICA (Reprint)
SOURCE: SOUTH AFRICA
INFLAMMATION, (APR 1996) Vol. 20, No. 2, pp. 139-150.
ISSN: 0360-3997.
DOCUMENT TYPE: Article; Journal
FILE SEGMENT: LIFE
LANGUAGE: ENGLISH
REFERENCE COUNT: 34

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L11 ANSWER 39 OF 93 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN

ACCESSION NUMBER: 95151610 EMBASE
DOCUMENT NUMBER: 1995151610
TITLE: Interactions between the cytosolic components p47(phox) and p67(phox) of the **human** neutrophil **NADPH oxidase** that are not required for activation in the cell-free system.
AUTHOR: Leusen J.H.W.; Fluiter K.; Hilarius P.M.; Roos D.; Verhoeven A.J.; Bolscher B.G.J.M.
CORPORATE SOURCE: Central Laboratory, Netherlands RC Blood Trans. Service, Plesmanlaan 125, 1066 CX Amsterdam, Netherlands
SOURCE: Journal of Biological Chemistry, (1995) Vol. 270, No. 19, pp. 11216-11221.
ISSN: 0021-9258 CODEN: JBCHA3
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 026 Immunology, Serology and Transplantation
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 950607
Last Updated on STN: 950607

L11 ANSWER 40 OF 93 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on
STN

ACCESSION NUMBER: 95:207201 SCISEARCH
THE GENUINE ARTICLE: QM945
TITLE: THE ARACHIDONATE-ACTIVABLE, NADPH OXIDASE-ASSOCIATED H+ CHANNEL - EVIDENCE THAT GP91-PHOX FUNCTIONS AS AN ESSENTIAL PART OF THE CHANNEL
AUTHOR: HENDERSON L M (Reprint); BANTING G; CHAPPELL J B
CORPORATE SOURCE: UNIV BRISTOL, SCH MED SCI, DEPT BIOCHEM, UNIV WALK, BRISTOL BS8 1TD, AVON, ENGLAND (Reprint)
COUNTRY OF AUTHOR: ENGLAND
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (17 MAR 1995) Vol. 270, No. 11, pp. 5909-5916.
ISSN: 0021-9258.
DOCUMENT TYPE: Article; Journal
FILE SEGMENT: LIFE
LANGUAGE: ENGLISH
REFERENCE COUNT: 54
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L11 ANSWER 41 OF 93 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on
STN DUPLICATE 9

ACCESSION NUMBER: 1996:81067 BIOSIS
DOCUMENT NUMBER: PREV199698653202
TITLE: The serine protease inhibitor diisopropylfluorophosphate inhibits neutrophil NADPH-oxidase activity induced by the calcium ionophore ionomycin and serum opsonised yeast particles.
AUTHOR(S): Lundqvist, H. [Reprint author]; Dahlgren, C.

CORPORATE SOURCE: Phagocyte Research Lab., Dep. Med. Microbiol. Immunol.,
Univ. Goteborg, Guldhedsgatan 10A, S-413 46 Goteborg,
Sweden
SOURCE: Inflammation Research, (1995) Vol. 44, No. 12, pp. 510-517.
ISSN: 1023-3830.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 27 Feb 1996
Last Updated on STN: 28 Feb 1996

L11 ANSWER 42 OF 93 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on
STN

ACCESSION NUMBER: 1994:384267 BIOSIS
DOCUMENT NUMBER: PREV199497397267
TITLE: The effect of immunosuppressants on **human**
leukocyte NADPH oxidase.
AUTHOR(S): Engelbrecht, Maureen E.; Oosthuizen, Mathys M. J. [Reprint
author]; Myburgh, J. Albertus
CORPORATE SOURCE: Biochem. Lab., Dep. Surgery, Univ. Witwatersrand Med. Sch.,
Johannesburg 2193, South Africa
SOURCE: Das, D. K. [Editor]. Ann. N. Y. Acad. Sci., (1994) pp.
436-438. Annals of the New York Academy of Sciences;
Cellular, biochemical, and molecular aspects of reperfusion
injury.
Publisher: New York Academy of Sciences, 2 East 63rd
Street, New York, New York 10021, USA. Series: Annals of
the New York Academy of Sciences.
Meeting Info.: Conference. New York, New York, USA. July
11-14, 1993.
CODEN: ANYAA9. ISSN: 0077-8923. ISBN: 0-89766-883-9
(paper), 0-89766-882-0 (cloth).
DOCUMENT TYPE: Book
Conference; (Meeting)
Book; (Book Chapter)
Conference; (Meeting Paper)
LANGUAGE: English
ENTRY DATE: Entered STN: 31 Aug 1994
Last Updated on STN: 1 Sep 1994

L11 ANSWER 43 OF 93 LIFESCI COPYRIGHT 2005 CSA on STN

ACCESSION NUMBER: 95:56135 LIFESCI
TITLE: super(156)Pro arrow right Gln substitution in the light
chain of cytochrome b sub(558) of the **human**
NADPH oxidase (p22-phox) leads to
defective translocation of the cytosolic proteins p47-phox
and p67-phox
AUTHOR: Leusen, J.H.W.; Bolscher, B.G.J.M.; Hilarius, P.M.;
Weening, R.S.; Kaulfersch, W.; Seger, R.A.; Roos, D.;
Verhoeven, A.J.*
CORPORATE SOURCE: Cent. Lab. Netherlands Red Cross Blood Transfus. Serv.,
Plesmanlaan 125, 1066 CX Amsterdam, Netherlands
SOURCE: J. EXP. MED., (1994) vol. 180, no. 6, pp. 2329-2334.
ISSN: 0022-1007.
DOCUMENT TYPE: Journal
FILE SEGMENT: F
LANGUAGE: English
SUMMARY LANGUAGE: English

L11 ANSWER 44 OF 93 LIFESCI COPYRIGHT 2005 CSA on STN

ACCESSION NUMBER: 95:19848 LIFESCI
TITLE: A point mutation in gp91-phox of cytochrome b sub(558) of
the **human NADPH oxidase**
leading to defective translocation of the cytosolic

proteins p47-phox and p67-phox
AUTHOR: Leusen, J.H.W.; De Boer, M.; Bolscher, B.G.J.M.; Hilarius, P.M.; Weening, R.S.; Ochs, H.D.; Roos, D.; Verhoeven, A.J.*
CORPORATE SOURCE: Dep. Blood Cell Chem., Cent. Lab. Netherlands Red Cross Transfus. Serv., Plesmanlaan 125, 1066 CX Amsterdam, Netherlands
SOURCE: J. CLIN. INVEST., (1994) vol. 93, no. 5, pp. 2120-2126. ISSN: 0021-9738.
DOCUMENT TYPE: Journal
FILE SEGMENT: G3
LANGUAGE: English
SUMMARY LANGUAGE: English

L11 ANSWER 45 OF 93 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1994:132085 HCAPLUS
DOCUMENT NUMBER: 120:132085
TITLE: Autosomal recessive chronic granulomatous disease with absence of the 67-kD cytosolic NADPH oxidase component: identification of mutation and detection of carriers
AUTHOR(S): de Boer, Martin; Hilarius-Stokman, Petra M.; Hossle, Johann Peter; Verhoeven, Arthur J.; Graf, Norbert; Kenney, Richard T.; Seger, Rienhard; Roos, Dirk
CORPORATE SOURCE: Cent. Lab., Netherlands Red Cross Blood Transfus. Serv., Amsterdam, 1066, Neth.
SOURCE: Blood (1994), 83(2), 531-6
CODEN: BLOOAW; ISSN: 0006-4971
DOCUMENT TYPE: Journal
LANGUAGE: English

L11 ANSWER 46 OF 93 MEDLINE on STN DUPLICATE 10
ACCESSION NUMBER: 94303963 MEDLINE
DOCUMENT NUMBER: PubMed ID: 7518204
TITLE: The effect of immunosuppressants on **human leukocyte NADPH oxidase**.
AUTHOR: Engelbrecht M E; Oosthuizen M M; Myburgh J A
CORPORATE SOURCE: Department of Surgery, University of the Witwatersrand Medical School, Johannesburg, South Africa.
SOURCE: Annals of the New York Academy of Sciences, (1994 Jun 17) 723 436-8.
Journal code: 7506858. ISSN: 0077-8923.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199408
ENTRY DATE: Entered STN: 19940818
Last Updated on STN: 19990129
Entered Medline: 19940805

L11 ANSWER 47 OF 93 MEDLINE on STN DUPLICATE 11
ACCESSION NUMBER: 94296693 MEDLINE
DOCUMENT NUMBER: PubMed ID: 8024812
TITLE: Regulation of the **human neutrophil NADPH oxidase** by the Rac GTP-binding proteins.
AUTHOR: Bokoch G M
CORPORATE SOURCE: Department of Immunology, Scripps Research Institute, La Jolla, CA 92037.
SOURCE: Current opinion in cell biology, (1994 Apr) 6 (2) 212-8. Ref: 43
Journal code: 8913428. ISSN: 0955-0674.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

General Review; (REVIEW)
(REVIEW, TUTORIAL)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199408
ENTRY DATE: Entered STN: 19940818
Last Updated on STN: 20000303
Entered Medline: 19940811

L11 ANSWER 48 OF 93 LIFESCI COPYRIGHT 2005 CSA on STN
ACCESSION NUMBER: 94:6123 LIFESCI
TITLE: Regulation of the **human** neutrophil **NADPH oxidase** by rho-related G-proteins.
AUTHOR: Kwong, C.H.; Malech, H.L.; Rotrosen, D.; Leto, T.L.
CORPORATE SOURCE: Lab. Host. Def., Natl. Inst. Allergy and Infect. Dis.,
Natl. Inst. Health, Bethesda, MD 20892, USA
SOURCE: BIOCHEMISTRY (WASH.), (1993) vol. 32, no. 21, pp.
5711-5717.
ISSN: 0006-2960.
DOCUMENT TYPE: Journal
FILE SEGMENT: F
LANGUAGE: English
SUMMARY LANGUAGE: English

L11 ANSWER 49 OF 93 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1993:253047 HCAPLUS
DOCUMENT NUMBER: 118:253047
TITLE: Lung surfactant suppresses oxygen-dependent
bactericidal functions of human blood monocytes by
inhibiting the assembly of the NADPH oxidase
AUTHOR(S): Geertsma, Minke F.; Broos, Hillie R.; Van den
Barselaar, Maria T.; Nibbering, Peter H.; Van Furth,
Ralph
CORPORATE SOURCE: Dep. Infect. Dis., Univ. Hosp., Leiden, Neth.
SOURCE: Journal of Immunology (1993), 150(6), 2391-400
CODEN: JOIMA3; ISSN: 0022-1767
DOCUMENT TYPE: Journal
LANGUAGE: English

L11 ANSWER 50 OF 93 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1993:668979 HCAPLUS
DOCUMENT NUMBER: 119:268979
TITLE: Defensin interferes with the activation of neutrophil
NADPH oxidase in a cell-free system
AUTHOR(S): Tal, Tal; Aviram, Irit
CORPORATE SOURCE: Fac. Life Sci., Tel-Aviv Univ., Tel-Aviv, 69978,
Israel
SOURCE: Biochemical and Biophysical Research Communications
(1993), 196(2), 636-41
CODEN: BBRCA9; ISSN: 0006-291X
DOCUMENT TYPE: Journal
LANGUAGE: English

L11 ANSWER 51 OF 93 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1994:29324 HCAPLUS
DOCUMENT NUMBER: 120:29324
TITLE: Bacterial phosphatidylcholine-preferring phospholipase
C reversibly inhibits the membrane component of the
NADPH oxidase in human polymorphonuclear
leukocytes: Implications for host defense
AUTHOR(S): Traynor, Ann E.; Weitzman, Sigmund A.; Gordon, Leo I.
CORPORATE SOURCE: Med. Sch., Northwestern Univ., Chicago, IL, 60611, USA
SOURCE: Cellular Immunology (1993), 152(2), 582-93

CODEN: CLIMB8; ISSN: 0008-8749
DOCUMENT TYPE: Journal
LANGUAGE: English

L11 ANSWER 52 OF 93 MEDLINE on STN DUPLICATE 12
ACCESSION NUMBER: 94109568 MEDLINE
DOCUMENT NUMBER: PubMed ID: 8282094
TITLE: Regulation of phagocyte function by low molecular weight
GTP-binding proteins.
AUTHOR: Bokoch G M
CORPORATE SOURCE: Department of Immunology, Scripps Research Institute, La
Jolla, CA 92037.
CONTRACT NUMBER: GM44428 (NIGMS)
HL48008 (NHLBI)
SOURCE: European journal of haematology, (1993 Nov) 51 (5) 313-7.
Ref: 14
Journal code: 8703985. ISSN: 0902-4441.
PUB. COUNTRY: Denmark
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199402
ENTRY DATE: Entered STN: 19940228
Last Updated on STN: 20000303
Entered Medline: 19940217

L11 ANSWER 53 OF 93 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on
STN
ACCESSION NUMBER: 93:419505 SCISEARCH
THE GENUINE ARTICLE: LK268
TITLE: HEAT-SHOCK IN HUMAN NEUTROPHILS - SUPEROXIDE GENERATION IS
INHIBITED BY A MECHANISM DISTINCT FROM HEAT-DENATURATION
OF NADPH OXIDASE AND IS PROTECTED BY HEAT-SHOCK PROTEINS
IN THERMOTOLERANT CELLS
AUTHOR: MARIDONNEAUPARINI I (Reprint); MALAWISTA S E; STUBBE H;
RUSSOMARIE F; POLLA B S
CORPORATE SOURCE: INST COCHIN GENET MOLEC, INSERM, U332, 22 RUE MECHAIN,
F-75014 PARIS, FRANCE (Reprint); YALE UNIV, SCH MED, DEPT
INTERNAL MED, NEW HAVEN, CT, 06510; HOP CANTONAL UNIV,
UNITE ALLERGOL, CH-1211 GENEVA 4, SWITZERLAND
COUNTRY OF AUTHOR: FRANCE; USA; SWITZERLAND
SOURCE: JOURNAL OF CELLULAR PHYSIOLOGY, (JUL 1993) Vol. 156, No.
1, pp. 204-211.
ISSN: 0021-9541.
DOCUMENT TYPE: Article; Journal
FILE SEGMENT: LIFE
LANGUAGE: ENGLISH
REFERENCE COUNT: 35
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L11 ANSWER 54 OF 93 LIFESCI COPYRIGHT 2005 CSA on STN
ACCESSION NUMBER: 94:38586 LIFESCI
TITLE: Purification and characterization of Rac 2. A cytosolic
GTP-binding protein that regulates human
neutrophil NADPH oxidase
AUTHOR: Knaus, U.G.; Heyworth, P.G.; Kinsella, B.T.; Curnutte,
J.T.; Bokoch, G.M.*
CORPORATE SOURCE: IMM-14, Scripps Res. Inst., 10666 N. Torrey Pines Rd., La
Jolla, CA 92037, USA
SOURCE: J. BIOL. CHEM., (1992) vol. 267, no. 33, pp. 23575-23582.
ISSN: 0021-9258.

DOCUMENT TYPE: Journal
FILE SEGMENT: F
LANGUAGE: English
SUMMARY LANGUAGE: English

L11 ANSWER 55 OF 93 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on
STN DUPLICATE 13

ACCESSION NUMBER: 92:240788 SCISEARCH

THE GENUINE ARTICLE: HN485

TITLE: STABILIZATION OF **HUMAN** NEUTROPHIL **NADPH**
OXIDASE ACTIVATED IN A CELL-FREE SYSTEM BY
CYTOSOLIC PROTEINS AND BY 1-ETHYL-3-(3-
DIMETHYLAMINOPROPYL) CARBODIIMIDE

AUTHOR: TAMURA M (Reprint); TAKESHITA M; CURNUTTE J T; UHLINGER D
J; LAMBETH J D

CORPORATE SOURCE: MED COLL OITA, DEPT BIOCHEM, OITA 87956, JAPAN (Reprint);
SCRIPPS CLIN & RES INST, DEPT MOLEC & EXPTL MED, LA JOLLA,
CA, 92037; EMORY UNIV, SCH MED, DEPT BIOCHEM, ATLANTA, GA,
30322

COUNTRY OF AUTHOR: JAPAN; USA

SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (15 APR 1992) Vol. 267,
No. 11, pp. 7529-7538.
ISSN: 0021-9258.

DOCUMENT TYPE: Article; Journal

FILE SEGMENT: LIFE

LANGUAGE: ENGLISH

REFERENCE COUNT: 51

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L11 ANSWER 56 OF 93 LIFESCI COPYRIGHT 2005 CSA on STN

ACCESSION NUMBER: 92:7114 LIFESCI

TITLE: Characterization of a phagocyte cytochrome b sub(558)
91-kilodalton subunit functional domain: Identification of
peptide sequence and amino acids essential for activity.

AUTHOR: Kleinberg, M.E.; Mital, D.; Rotrosen, D.; Malech, H.L.

CORPORATE SOURCE: Univ. Maryland Sch. Med., Rm. 900 MSTF, 10 S. Pine St.,
Baltimore, MD 21201, USA

SOURCE: BIOCHEMISTRY (WASH.), (1992) vol. 31, no. 10, pp.
2686-2690.

DOCUMENT TYPE: Journal

FILE SEGMENT: F; M

LANGUAGE: English

SUMMARY LANGUAGE: English

L11 ANSWER 57 OF 93 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN DUPLICATE 14

ACCESSION NUMBER: 93001227 EMBASE

DOCUMENT NUMBER: 1993001227

TITLE: Host defense activity in various hosts; **Human**
neutrophil **NADPH oxidase** activity.

AUTHOR: Umeki S.; Soejima R.

CORPORATE SOURCE: Kawasaki Medical School, 577 Matsushima, Kurashiki, Okayama
701-01, Japan

SOURCE: Chest, (1992) Vol. 102, No. 6, pp. 1780-1786.

ISSN: 0012-3692 CODEN: CHETBF

COUNTRY: United States

DOCUMENT TYPE: Journal; Article

FILE SEGMENT: 015 Chest Diseases, Thoracic Surgery and Tuberculosis
020 Gerontology and Geriatrics
026 Immunology, Serology and Transplantation
029 Clinical Biochemistry

LANGUAGE: English

SUMMARY LANGUAGE: English

ENTRY DATE: Entered STN: 930124
Last Updated on STN: 930124

L11 ANSWER 58 OF 93 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on STN

ACCESSION NUMBER: 92:311260 SCISEARCH
THE GENUINE ARTICLE: HT983
TITLE: IDENTIFICATION OF A THERMOLABILE COMPONENT OF THE
HUMAN NEUTROPHIL NADPH OXIDASE
- A MODEL FOR CHRONIC GRANULOMATOUS-DISEASE CAUSED BY
DEFICIENCY OF THE P67-PHOX CYTOSOLIC COMPONENT
AUTHOR: ERICKSON R W; MALAWISTA S E; GARRETT M C; VANBLARICOM G;
LETO T L; CURNUTTE J T (Reprint)
CORPORATE SOURCE: SCRIPPS CLIN & RES INST, DEPT MOLEC & EXPTL MED, SBR 12,
10666 N TORREY PINES RD, LA JOLLA, CA, 92037; YALE UNIV,
SCH MED, DEPT INTERNAL MED, NEW HAVEN, CT, 06510; NIAID,
HOST DEF LAB, BETHESDA, MD, 20892
COUNTRY OF AUTHOR: USA
SOURCE: JOURNAL OF CLINICAL INVESTIGATION, (MAY 1992) Vol. 89, No.
5, pp. 1587-1595.
ISSN: 0021-9738.
DOCUMENT TYPE: Article; Journal
FILE SEGMENT: LIFE
LANGUAGE: ENGLISH
REFERENCE COUNT: 46
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L11 ANSWER 59 OF 93 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1992:405471 HCAPLUS
DOCUMENT NUMBER: 117:5471
TITLE: Effect of NADPH oxidase inhibition on endothelial cell
ELAM-1 mRNA expression
AUTHOR(S): Suzuki, Yukio; Wang, Weizheng; Vu, Thanh H.; Raffin,
Thomas A.
CORPORATE SOURCE: Med. Cent., Stanford Univ., Stanford, CA, 94305-5236,
USA
SOURCE: Biochemical and Biophysical Research Communications
(1992), 184(3), 1339-43
CODEN: BBRCA9; ISSN: 0006-291X
DOCUMENT TYPE: Journal
LANGUAGE: English

L11 ANSWER 60 OF 93 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN

ACCESSION NUMBER: 1992:429214 BIOSIS
DOCUMENT NUMBER: PREV199294081339; BA94:81339
TITLE: VOLUME CONDUCTIVITY AND SCATTER CHANGES OF ACTIVATED
POLYMORPHONUCLEAR **LEUKOCYTES** AN ESTIMATION BY
COULTER COUNTER STKS ANALYZER.
AUTHOR(S): LIPPI U [Reprint author]; BELLAVITE P; SCHINELLA M; NICOLI
M
CORPORATE SOURCE: LABORATORIO DI CHIMICA CLINICA EMATOLOGIA, OSPEDALE CIVILE
MAGGIORE, PIAZZALE STEFANI 1, 37126 VERONA, ITALY
SOURCE: International Journal of Clinical and Laboratory Research,
(1992) Vol. 21, No. 4, pp. 321-324.
CODEN: ICLREA. ISSN: 0940-5437.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 22 Sep 1992
Last Updated on STN: 23 Sep 1992

L11 ANSWER 61 OF 93 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1992:253307 HCAPLUS
DOCUMENT NUMBER: 116:253307
TITLE: Oxygen free radicals in essential hypertension
AUTHOR(S): Sagar, S.; Kallo, I. J.; Kaul, Nalini; Ganguly, N. K.;
Sharma, B. K.
CORPORATE SOURCE: Dep. Intern. Med. Exp. Med., Postgrad. Inst. Med.
Educ. Res., Chandigarh, 160 012, India
SOURCE: Molecular and Cellular Biochemistry (1992), 111(1-2),
103-8
CODEN: MCBIB8; ISSN: 0300-8177
DOCUMENT TYPE: Journal
LANGUAGE: English

L11 ANSWER 62 OF 93 LIFESCI COPYRIGHT 2005 CSA on STN
ACCESSION NUMBER: 91:65850 LIFESCI
TITLE: A monoclonal antibody against peripheral benzodiazepine
receptor activates the **human** neutrophil
NADPH-oxidase.
AUTHOR: Zavala, F.; Masson, A.; Brys, L.; de Baetselier, P.;
Descamps-Latscha, B.
CORPORATE SOURCE: INSERM U25, Hop. Necker, Paris, France
SOURCE: BIOCHEM. BIOPHYS. RES. COMMUN., (1991) vol. 176, no. 3, pp.
1577-1583.
DOCUMENT TYPE: Journal
FILE SEGMENT: M
LANGUAGE: English
SUMMARY LANGUAGE: English

L11 ANSWER 63 OF 93 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on
STN
ACCESSION NUMBER: 1991:416346 BIOSIS
DOCUMENT NUMBER: PREV199141065891; BR41:65891
TITLE: DEATH BY OXYGEN RADICAL VIEWS THE MOLECULAR BASIS OF
OXIDATIVE DAMAGE BY **LEUKOCYTES** A MONTANA STATE
UNIVERSITY-KEYSTONE SYMPOSIUM BIG SKY MONTANA USA JANUARY
28-FEBRUARY 3 1991.
AUTHOR(S): JESAITIS A J [Reprint author]; QUINN M T; MUKHERJEE G; WARD
P A; DRATZ E A
CORPORATE SOURCE: DEP CHEM, MONTANA STATE UNIV, BOXZEMAN, MT 59717, USA
SOURCE: New Biologist, (1991) Vol. 3, No. 7, pp. 651-655.
CODEN: NEBIE2. ISSN: 1043-4674.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Report; (Meeting Report)
FILE SEGMENT: BR
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 17 Sep 1991
Last Updated on STN: 18 Sep 1991

L11 ANSWER 64 OF 93 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1991:630290 HCAPLUS
DOCUMENT NUMBER: 115:230290
TITLE: Phosphatidic acid as a second messenger in human
polymorphonuclear **leukocytes**: effects on
activation of NADPH oxidase
AUTHOR(S): Agwu, David E.; McPhail, Linda C.; Sozzani, Silvano;
Bass, David A.; McCall, Charles E.
CORPORATE SOURCE: Med. Cent., Wake Forest Univ., Winston-Salem, NC,
27103, USA
SOURCE: Journal of Clinical Investigation (1991), 88(2), 531-9
CODEN: JCINAO; ISSN: 0021-9738
DOCUMENT TYPE: Journal
LANGUAGE: English

L11 ANSWER 65 OF 93 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1991:182721 HCAPLUS
DOCUMENT NUMBER: 114:182721
TITLE: Identification of a superoxide-generating NADPH
oxidase system in human fibroblasts
AUTHOR(S): Meier, Beate; Cross, Andrew R.; Hancock, John T.;
Kaup, Franz J.; Jones, Owen T. G.
CORPORATE SOURCE: Chem. Inst., Tieraerztl. Hochsch., Hannover, D-3000/1,
Germany
SOURCE: Biochemical Journal (1991), 275(1), 241-5
CODEN: BIJOAK; ISSN: 0306-3275
DOCUMENT TYPE: Journal
LANGUAGE: English

L11 ANSWER 66 OF 93 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on
STN

ACCESSION NUMBER: 1991:198763 BIOSIS
DOCUMENT NUMBER: PREV199140096043; BR40:96043
TITLE: MOLECULAR MECHANISM OF ACTIVATION OF **LEUKOCYTE**
SUPEROXIDE PRODUCTION.
AUTHOR(S): MCPHAIL L C [Reprint author]; STRUM S L; ELLENBURG M;
QUALLIOTINE-MANN D; AGWU D E; MCCALL C E; LEONE P A
CORPORATE SOURCE: DEP BIOCHEMISTRY, WAKE FOREST UNIVERSITY MEDICAL CENTER,
WINSTON-SALEM, NC 27103, USA
SOURCE: Journal of Cellular Biochemistry Supplement, (1991) No. 15
PART C, pp. 203.
Meeting Info.: SYMPOSIUM ON MOLECULAR BASIS OF OXIDATIVE
DAMAGE BY LEUKOCYTES HELD AT THE 20TH ANNUAL MEETING OF THE
KEYSTONE SYMPOSIA ON MOLECULAR AND CELLULAR BIOLOGY,
JANUARY 28-FEBRUARY 3, 1991. J CELL BIOCHEM SUPPL.
ISSN: 0733-1959.
DOCUMENT TYPE: Conference; (Meeting)
FILE SEGMENT: BR
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 22 Apr 1991
Last Updated on STN: 23 Apr 1991

L11 ANSWER 67 OF 93 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on
STN

ACCESSION NUMBER: 1992:44824 BIOSIS
DOCUMENT NUMBER: PREV199293024799; BA93:24799
TITLE: **LEUKOCYTE**-MEDIATED INACTIVATION OF ALPHA-1
PROTEINASE INHIBITOR IS INHIBITED BY AMINO ANALOGUES OF
ALPHA TOCOPHEROL.
AUTHOR(S): BOLKENIUS F N [Reprint author]
CORPORATE SOURCE: MARION MERRELL DOW RES INST, 16 RUE D'ANKARA, BP 447 R/9,
67009 STRASBOURG CEDEX, FR
SOURCE: Biochimica et Biophysica Acta, (1991) Vol. 1095, No. 1, pp.
23-29.
CODEN: BBACAQ. ISSN: 0006-3002.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 13 Jan 1992
Last Updated on STN: 14 Jan 1992

L11 ANSWER 68 OF 93 LIFESCI COPYRIGHT 2005 CSA on STN

ACCESSION NUMBER: 90:98848 LIFESCI
TITLE: Soluble and insoluble immune complexes activate
human neutrophil NADPH oxidase
by distinct Fc gamma receptor-specific mechanisms.
AUTHOR: Crockett-Torabi, E.; Fantone, J.C.
CORPORATE SOURCE: Dep. Pathol., Univ. Michigan Med. Sch., 1301 Catherine Rd.,

Ann Arbor, MI 48109-0602, USA
SOURCE: J. IMMUNOL., (1990) vol. 145, no. 9, pp. 3026-3032.
DOCUMENT TYPE: Journal
FILE SEGMENT: F
LANGUAGE: English
SUMMARY LANGUAGE: English

L11 ANSWER 69 OF 93 LIFESCI COPYRIGHT 2005 CSA on STN
ACCESSION NUMBER: 89:5441 LIFESCI
TITLE: Inhibition of **human** neutrophil **NADPH**
oxidase by Chlamydia serovars E, K, and L sub(2).
AUTHOR: Tauber, A.I.; Pavlotsky, N.; Lin, J.S.; Rice, P.A.
CORPORATE SOURCE: Dep. Med. and Pathol., Boston City Hosp., Boston, MA 02118,
USA
SOURCE: INFECT. IMMUN., (1989) vol. 57, no. 4, pp. 1108-1112.
DOCUMENT TYPE: Journal
FILE SEGMENT: F; J
LANGUAGE: English
SUMMARY LANGUAGE: English

L11 ANSWER 70 OF 93 LIFESCI COPYRIGHT 2005 CSA on STN
ACCESSION NUMBER: 89:6698 LIFESCI
TITLE: Activation of **human** neutrophil **NADPH**-
oxidase in vitro by the catalytic fragment of
protein kinase-C.
AUTHOR: Tauber, A.I.; Cox, J.A.; Curnutte, J.T.; Carrol, P.M.;
Nakakuma, H.; Warren, B.; Gilbert, H.; Blumberg, P.M.
CORPORATE SOURCE: Boston Univ. Sch. Med., Boston, MA 02118, USA
SOURCE: BIOCHEM. BIOPHYS. RES. COMMUN., (1989) vol. 158, no. 3, pp.
884-890.
DOCUMENT TYPE: Journal
FILE SEGMENT: F
LANGUAGE: English
SUMMARY LANGUAGE: English

L11 ANSWER 71 OF 93 LIFESCI COPYRIGHT 2005 CSA on STN
ACCESSION NUMBER: 89:62662 LIFESCI
TITLE: Studies on the electron-transfer mechanism of the
human neutrophil **NADPH oxidase**.
AUTHOR: Ellis, J.A.; Cross, A.R.; Jones, O.T.G.
CORPORATE SOURCE: Dep. Biochem., Med. Sch., Univ. Bristol, Bristol BS8 1TD,
UK
SOURCE: BIOCHEM. J., (1989) vol. 262, no. 2, pp. 575-579.
DOCUMENT TYPE: Journal
FILE SEGMENT: M
LANGUAGE: English
SUMMARY LANGUAGE: English

L11 ANSWER 72 OF 93 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on
STN
ACCESSION NUMBER: 1989:480558 BIOSIS
DOCUMENT NUMBER: PREV198937101677; BR37:101677
TITLE: CONCAVALIN A STIMULATION OF OXYGEN CONSUMPTION IN
ELECTROPERMEABILIZED NEUTROPHILS VIA A PERTUSSIS
TOXIN-INSENSITIVE G PROTEIN.
AUTHOR(S): LU D J [Reprint author]; GRINSTEIN S
CORPORATE SOURCE: DIV CELL BIOL, HOSP SICK CHILD, 555 UNIVERSITY AVE, TORONTO
M5G 1X8, CANADA
SOURCE: Febs Letters, (1989) Vol. 253, No. 1-2, pp. 151-156.
CODEN: FEBLAL. ISSN: 0014-5793.
DOCUMENT TYPE: Article
FILE SEGMENT: BR
LANGUAGE: ENGLISH

ENTRY DATE: Entered STN: 26 Oct 1989
Last Updated on STN: 28 Oct 1989

L11 ANSWER 73 OF 93 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN

ACCESSION NUMBER: 1989:90436 BIOSIS
DOCUMENT NUMBER: PREV198987044572; BA87:44572
TITLE: SELECTIVE PRIMING OF RATE AND DURATION OF THE RESPIRATORY BURST OF NEUTROPHILS BY 1 2 DIACYL AND 1-O ALKYL-2-ACYLDIGLYCERIDES POSSIBLE RELATION TO EFFECTS ON PROTEIN KINASE C.
AUTHOR(S): BASS D A [Reprint author]; MCPHAIL L C; SCHMITT J D; MORRIS-NATSCHKE S; MCCALL C E; WYKLE R L
CORPORATE SOURCE: BOWMAN GRAY SCH MED, 300 S HAWTHORNE ROAD, WINSTON-SALEM, NC 27103, USA
SOURCE: Journal of Biological Chemistry, (1988) Vol. 263, No. 36, pp. 19610-19617.
CODEN: JBCHA3. ISSN: 0021-9258.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 6 Feb 1989
Last Updated on STN: 6 Feb 1989

L11 ANSWER 74 OF 93 MEDLINE on STN DUPLICATE 15

ACCESSION NUMBER: 88298834 MEDLINE
DOCUMENT NUMBER: PubMed ID: 2457025
TITLE: A menadione-stimulated pyridine nucleotide oxidase from resting bovine neutrophil membranes. Purification, properties, and immunochemical cross-reactivity with the **human** neutrophil **NADPH oxidase**.
AUTHOR: Nisimoto Y; Tamura M; Lambeth J D
CORPORATE SOURCE: Department of Biochemistry, Emory University Medical School, Atlanta, Georgia 30322.
CONTRACT NUMBER: AI22809 (NIAID)
SOURCE: Journal of biological chemistry, (1988 Aug 25) 263 (24) 11657-63.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198809
ENTRY DATE: Entered STN: 19900308
Last Updated on STN: 19970203
Entered Medline: 19880920

L11 ANSWER 75 OF 93 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN

ACCESSION NUMBER: 1988:417686 BIOSIS
DOCUMENT NUMBER: PREV198886080298; BA86:80298
TITLE: INDUCTION OF PHAGOCYTE CYTOCHROME BETA HEAVY CHAIN GENE EXPRESSION BY INTERFERON GAMMA.
AUTHOR(S): NEWBURGER P E [Reprint author]; EZEKOWITZ R A; WHITNEY C; WRIGHT J; ORKIN S H
CORPORATE SOURCE: DEP PEDIATRICS, UNIV MASSACHUSETTS MED SCH, 55 LAKE AVE NORTH, WORCESTER, MASS 01655, USA
SOURCE: Proceedings of the National Academy of Sciences of the United States of America, (1988) Vol. 85, No. 14, pp. 5215-5219.
CODEN: PNASA6. ISSN: 0027-8424.
DOCUMENT TYPE: Article
FILE SEGMENT: BA

LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 19 Sep 1988
Last Updated on STN: 19 Sep 1988

L11 ANSWER 76 OF 93 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN DUPLICATE 16

ACCESSION NUMBER: 88240506 EMBASE
DOCUMENT NUMBER: 1988240506
TITLE: Captopril - A potential free radical scavenger: Inhibition
of PMN NADPH oxidase.
AUTHOR: Egan T.M.; Minta J.O.; Scrimgeour K.G.; Cooper J.D.
CORPORATE SOURCE: Department of Surgery, University of Toronto, Toronto,
Ont., Canada
SOURCE: Clinical and Investigative Medicine, (1988) Vol. 11, No. 5,
pp. 351-356.
ISSN: 0147-958X CODEN: CIMDDG
COUNTRY: Canada
DOCUMENT TYPE: Journal
FILE SEGMENT: 026 Immunology, Serology and Transplantation
030 Pharmacology
037 Drug Literature Index
LANGUAGE: English
SUMMARY LANGUAGE: French; English
ENTRY DATE: Entered STN: 911211
Last Updated on STN: 911211

L11 ANSWER 77 OF 93 LIFESCI COPYRIGHT 2005 CSA on STN

ACCESSION NUMBER: 88:501 LIFESCI
TITLE: The role of the Na super(+)/H super(+) antiporter in
human neutrophil NADPH-oxidase
activation.
AUTHOR: Wright, J.; Maridonneau-Parini, I.; Cragoe, E.J., Jr.;
Schwartz, J.H.; Tauber, A.I.
CORPORATE SOURCE: Boston City Hosp., FGH-I, 818 Harrison Ave., Boston, MA
02118, USA
SOURCE: J. LEUKOCYTE BIOL., (1988) vol. 43, no. 2, pp. 183-186.
DOCUMENT TYPE: Journal
FILE SEGMENT: M; F
LANGUAGE: English
SUMMARY LANGUAGE: English

L11 ANSWER 78 OF 93 LIFESCI COPYRIGHT 2005 CSA on STN

ACCESSION NUMBER: 87:27581 LIFESCI
TITLE: Activation of neutrophil NADPH oxidase in a cell-free
system: Partial purification of components and
characterization of the activation process.
AUTHOR: Curnutte, J.T.; Kuver, R.; Scott, P.J.
CORPORATE SOURCE: Div. Biochem., BCR-7, Dep. Basic and Clin. Res., Scripps
Clin. and Res. Found., 10666 N. Torrey Pines Rd., La Jolla,
CA 92037, USA
SOURCE: J. BIOL. CHEM., (1987) vol. 262, no. 12, pp. 5563-5569.
DOCUMENT TYPE: Journal
FILE SEGMENT: L
LANGUAGE: English
SUMMARY LANGUAGE: English

L11 ANSWER 79 OF 93 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1987:364 HCAPLUS
DOCUMENT NUMBER: 106:364
TITLE: In vivo inhibition of superoxide production of
granulocytes by the antirheumatic drug piroxicam. An
interference with the activation of NADPH-oxidase
AUTHOR(S): Biemond, P.; Swaak, A. J. G.; Penders, J. M. A.;

CORPORATE SOURCE: Beindorff, C. M.; Koster, J. F.
SOURCE: Dep. Biochem. I, Erasmus Univ., Rotterdam, Neth.
Superoxide Superoxide Dismutase Chem., Biol. Med.,
Proc. Int. Conf., 4th (1986), Meeting Date 1985,
541-4. Editor(s): Rotilio, Giuseppe. Elsevier:
Amsterdam, Neth.
CODEN: 55GJAL
DOCUMENT TYPE: Conference
LANGUAGE: English

L11 ANSWER 80 OF 93 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1987:44379 HCAPLUS
DOCUMENT NUMBER: 106:44379
TITLE: In vitro effect of thyroxine on oxidation by human
granulocytes
AUTHOR(S): Nagy, T. Jozsef; Sztojka, Ilona; Szabo, Tibor; Foris,
Gabriella; Leovey, Andras
CORPORATE SOURCE: I. Belgyogyaszati Klin., Debreceni Orvostudoman.
Egyet., Debrecen, Hung.
SOURCE: Kiserletes Orvostudomány (1986), 38(5), 496-500
CODEN: KIORAH; ISSN: 0023-1878
DOCUMENT TYPE: Journal
LANGUAGE: Hungarian

L11 ANSWER 81 OF 93 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on
STN
ACCESSION NUMBER: 1987:125821 BIOSIS
DOCUMENT NUMBER: PREV198783064882; BA83:64882
TITLE: CYTOCHROME B AND FAD CONTENT IN POLYMORPHONUCLEAR
LEUKOCYTES IN A FAMILY WITH X-LINKED CHRONIC
GRANULOMATOUS DISEASE.
AUTHOR(S): RICCARDI S [Reprint author]; GIORDANO D; SCHETTINI F; DE
MATTIA D; LOVECCHIO T; SANTORO N; FUMARULO R
CORPORATE SOURCE: ISTITUTO DI PATOLOGIA GENERALE, POLICLINICO, PIAZZA G
CESARE, I-70124 BARI, ITALY
SOURCE: Scandinavian Journal of Haematology, (1986) Vol. 37, No. 4,
pp. 333-336.
CODEN: SJHAAQ. ISSN: 0036-553X.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 7 Mar 1987
Last Updated on STN: 7 Mar 1987

L11 ANSWER 82 OF 93 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1986:161705 HCAPLUS
DOCUMENT NUMBER: 104:161705
TITLE: Superoxide production by polymorphonuclear
leukocytes in rheumatoid arthritis and
osteoarthritis: in vivo inhibition by the
antirheumatic drug piroxicam due to interference with
the activation of the NADPH-oxidase
AUTHOR(S): Biemond, P.; Swaak, A. J. G.; Penders, J. M. A.;
Beindorff, C. M.; Koster, J. F.
CORPORATE SOURCE: Med. Fac., Erasmus Univ., Rotterdam, Neth.
SOURCE: Annals of the Rheumatic Diseases (1986), 45(3), 249-55
CODEN: ARDIAO; ISSN: 0003-4967
DOCUMENT TYPE: Journal
LANGUAGE: English

L11 ANSWER 83 OF 93 LIFESCI COPYRIGHT 2005 CSA on STN
ACCESSION NUMBER: 86:54531 LIFESCI
TITLE: Guanine nucleotides stimulate NADPH oxidase in membranes of

human neutrophils.
AUTHOR: Seifert, R.; Rosenthal, W.; Schultz, G.
CORPORATE SOURCE: Inst. Pharmakol., Freie Univ., Thielallee 69/73, D-1000
Berlin 33, FRG
SOURCE: FEBS LETT., (1986) vol. 205, no. 1, pp. 161-166.
DOCUMENT TYPE: Journal
FILE SEGMENT: M
LANGUAGE: English
SUMMARY LANGUAGE: English

L11 ANSWER 84 OF 93 BIOSIS - COPYRIGHT (c) 2005 The Thomson Corporation on
STN

ACCESSION NUMBER: 1985:434642 BIOSIS
DOCUMENT NUMBER: PREV198580104634; BA80:104634
TITLE: PHORBOL MYRISTATE ACETATE MEDIATES REDISTRIBUTION OF
PROTEIN KINASE C IN HUMAN NEUTROPHILS POTENTIAL ROLE IN THE
ACTIVATION OF THE RESPIRATORY BURST ENZYME.
AUTHOR(S): WOLFSON M [Reprint author]; MCPHAIL L C; NASRALLAH V N;
SYNDERMAN R
CORPORATE SOURCE: BOX 3892, DUKE UNIV MED CENT, DURHAM, NC 27710, USA
SOURCE: Journal of Immunology, (1985) Vol. 135, No. 3, pp.
2057-2062.
CODEN: JOIMA3. ISSN: 0022-1767.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH

L11 ANSWER 85 OF 93 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1986:18514 HCAPLUS
DOCUMENT NUMBER: 104:18514
TITLE: NADPH and "cocktails" containing polyarginine
reactivate superoxide generation in **leukocytes**
lysed by membrane-damaging agents
AUTHOR(S): Ginsburg, Isaac; Borinski, Ruth; Pabst, Michael
CORPORATE SOURCE: Dep. Oral Biol., Hebrew Univ. Hadassah, Jerusalem,
Israel
SOURCE: Inflammation (New York, NY, United States) (1985),
9(4), 341-63.
CODEN: INFLD4; ISSN: 0360-3997
DOCUMENT TYPE: Journal
LANGUAGE: English

L11 ANSWER 86 OF 93 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1985:74667 HCAPLUS
DOCUMENT NUMBER: 102:74667
TITLE: Activation of a NADPH oxidase from horse
polymorphonuclear **leukocytes** in a cell-free
system
AUTHOR(S): Heyneman, R. A.; Vercauteren, R. E.
CORPORATE SOURCE: Fac. Vet. Med., Univ. Ghent, Ghent, B-9000, Belg.
SOURCE: Journal of Leukocyte Biology (1984), 36(6), 751-9
CODEN: JLBIE7; ISSN: 0741-5400
DOCUMENT TYPE: Journal
LANGUAGE: English

L11 ANSWER 87 OF 93 LIFESCI COPYRIGHT 2005 CSA on STN

ACCESSION NUMBER: 84:60033 LIFESCI
TITLE: Activation of **human** neutrophil **NADPH**
oxidase and lateral mobility of membrane proteins.
A study with crosslinkers.
AUTHOR: Aviram, I.; Henis, Y.I.
CORPORATE SOURCE: Dep. Biochem. George S. Wise Fac. Life Sci., Ramat Aviv,
Tel Aviv 69978, Israel

SOURCE: BIOCHIM. BIOPHYS. ACTA., (1984) vol. 805, no. 2, pp.
227-231.
DOCUMENT TYPE: Journal
FILE SEGMENT: M; F
LANGUAGE: English
SUMMARY LANGUAGE: English

L11 ANSWER 88 OF 93 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1985:57915 HCAPLUS
DOCUMENT NUMBER: 102:57915
TITLE: Study of quenching of singlet oxygen by coenzyme Q10
in a system of human **leukocytes**
AUTHOR(S): Littarru, Gian Paolo; De Sole, Pasquale; Lipa,
Silvio; Oradei, Alessandro
CORPORATE SOURCE: Inst. Biol. Chem., Univ. Cattol. S. Cuore, Rome,
00168, Italy
SOURCE: Biomedical and Clinical Aspects of Coenzyme Q (1984),
4, 201-8
CODEN: BCAQDA; ISSN: 0167-8450
DOCUMENT TYPE: Journal
LANGUAGE: English

L11 ANSWER 89 OF 93 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1983:420820 HCAPLUS
DOCUMENT NUMBER: 99:20820
TITLE: Oxidative metabolism of **leukocytes** and its
relationship to bactericidal activity
AUTHOR(S): DeChatelet, Lawrence R.; Shirley, Pamela S.; McPhail,
Linda C.
CORPORATE SOURCE: Dep. Biochem., Bowman Gray Sch. Med., Winston-Salem,
NC, 27103, USA
SOURCE: Advances in Experimental Medicine and Biology (1983),
162(Host Def. Intracell. Pathog.), 19-30
CODEN: AEMBAP; ISSN: 0065-2598
DOCUMENT TYPE: Journal
LANGUAGE: English

L11 ANSWER 90 OF 93 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on
STN
ACCESSION NUMBER: 1983:19391 BIOSIS
DOCUMENT NUMBER: PREV198324019391; BR24:19391
TITLE: SULFATIDE ACTIVATION OF THE OXYGEN RADICAL GENERATING
SYSTEM OF **LEUKOCYTES**.
AUTHOR(S): KAKINUMA K [Reprint author]; YAMAGUCHI T; SUZUKI H; NAGAI Y
CORPORATE SOURCE: TOKYO METROPOLITAN INST MED SCI, HONKOMAGOME, 3-18-22,
BUNKYO-KU, TOKYO 113
SOURCE: Febs Letters, (1982) Vol. 145, No. 1, pp. 16-20.
CODEN: FEBLAL. ISSN: 0014-5793.
DOCUMENT TYPE: Article
FILE SEGMENT: BR
LANGUAGE: ENGLISH

L11 ANSWER 91 OF 93 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on
STN
ACCESSION NUMBER: 1981:194202 BIOSIS
DOCUMENT NUMBER: PREV198171064194; BA71:64194
TITLE: POLYMORPH **LEUKOCYTE** FUNCTION IN UREMIA AND
JAUNDICE.
AUTHOR(S): WARDLE E N [Reprint author]; WILLIAMS R
CORPORATE SOURCE: LIVER UNIT, KINGS COLL HOSP, DENMARK HILL, LONDON SE5,
ENGLAND, UK
SOURCE: Acta Haematologica (Basel), (1980) Vol. 64, No. 3, pp.
157-164.

CODEN: ACHAAH. ISSN: 0001-5792.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH

L11 ANSWER 92 OF 93 MEDLINE on STN DUPLICATE 17
ACCESSION NUMBER: 77184967 MEDLINE
DOCUMENT NUMBER: PubMed ID: 16747
TITLE: The energy metabolism of the **leukocyte**. IX.
Changes in the concentration of the coenzymes NAD, NADH,
NADP, and NADPH in polymorphonuclear **leukocytes**
during phagocytosis of Staphylococcus albus and due to the
action of phospholipase C.
AUTHOR: Aellig A; Maillard M; Phavorin A; Frei J
SOURCE: Enzyme, (1977) 22 (3) 207-12.
Journal code: 1262265. ISSN: 0013-9432.
PUB. COUNTRY: Switzerland
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 197707
ENTRY DATE: Entered STN: 19900314
Last Updated on STN: 19950206
Entered Medline: 19770718

L11 ANSWER 93 OF 93 MEDLINE on STN DUPLICATE 18
ACCESSION NUMBER: 75133771 MEDLINE
DOCUMENT NUMBER: PubMed ID: 235561
TITLE: An isotopic assay for NADPH oxidase activity and some
characteristics of the enzyme from human polymorphonuclear
leukocytes.
AUTHOR: DeChatelet L R; McPhail L C; Mullikin D; McCall C E
SOURCE: Journal of clinical investigation, (1975 Apr) 55 (4)
714-21.
Journal code: 7802877. ISSN: 0021-9738.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 197506
ENTRY DATE: Entered STN: 19900310
Last Updated on STN: 19950206
Entered Medline: 19750618

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(FILE 'HOME' ENTERED AT 11:20:31 ON 22 APR 2005)

FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS,
LIFESCI' ENTERED AT 11:21:02 ON 22 APR 2005

L1 1308905 S KINASE?
L2 419733 S OXIDASE?
L3 149028 S NADPH
L4 23885 S L2 (A) L3
L5 12292 S HUMAN AND L4
L6 7035783 S CLON? OR EXPRESS? OR RECOMBINANT
L7 4193 S L5 AND L6
L8 709 S HUMAN(2W) L4
L9 1048437 S PLACENTA OR BURKITT(A) LYMPHOMA OR "B-CELLS" OR LEUKOCYT?
L10 136 S L8 AND L9
L11 93 DUP REM L10 (43 DUPLICATES REMOVED)

=> e shao w/au

E1	1	SHAO U/AU
E2	1	SHAO VAN CHZHU/AU
E3	284 -->	SHAO W/AU
E4	8	SHAO W A/AU
E5	3	SHAO W B/AU
E6	5	SHAO W D/AU
E7	1	SHAO W F/AU
E8	1	SHAO W G/AU
E9	14	SHAO W H/AU
E10	1	SHAO W I/AU
E11	13	SHAO W J/AU
E12	1	SHAO W K/AU

=> s e3

L12 284 "SHAO W"/AU

=> e merkulov g v/au

E1	2	MERKULOV G M/AU
E2	1	MERKULOV G S/AU
E3	82 -->	MERKULOV G V/AU
E4	26	MERKULOV GENNADY/AU
E5	63	MERKULOV GENNADY V/AU
E6	1	MERKULOV GENNAY V/AU
E7	1	MERKULOV GP/AU
E8	1	MERKULOV GRIGORY VALERIEVITCH/AU
E9	3	MERKULOV I/AU
E10	258	MERKULOV I A/AU
E11	17	MERKULOV I I/AU
E12	5	MERKULOV I M/AU

=> s e3-e5

L13 171 ("MERKULOV G V"/AU OR "MERKULOV GENNADY"/AU OR "MERKULOV GENNADY V"/AU)

=> e difrancesco v/au

E1	1	DIFRANCESCO U/AU
E2	1	DIFRANCESCO U M/AU
E3	100 -->	DIFRANCESCO V/AU
E4	17	DIFRANCESCO VALENTINA/AU
E5	1	DIFRANCESCO L/AU
E6	1	DIFRANCESCO D/AU
E7	2	DIFRANCESCO L/AU
E8	1	DIFRANCESCO R/AU
E9	1	DIFRANCESCO ROBIN/AU
E10	1	DIFRANCESCO L/AU
E11	6	DIFRANCIA C/AU
E12	4	DIFRANCIA CELENE/AU

=> s e3-e4

L14 117 ("DIFRANCESCO V"/AU OR "DIFRANCESCO VALENTINA"/AU)

=> e beasley e m/au

E1	1	BEASLEY E H/AU
E2	6	BEASLEY E L/AU
E3	325 -->	BEASLEY E M/AU
E4	7	BEASLEY E O/AU
E5	1	BEASLEY E S G/AU
E6	2	BEASLEY E T/AU
E7	4	BEASLEY E W/AU
E8	2	BEASLEY E W 3RD/AU
E9	2	BEASLEY E W III/AU
E10	1	BEASLEY E W JR/AU

E11 1 BEASLEY EDWARD E/AU
E12 1 BEASLEY EDWARD EVANS/AU

=> s e3

L15 325 "BEASLEY E M"/AU

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FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS,
LIFESCI' ENTERED AT 11:21:02 ON 22 APR 2005

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L5 12292 S HUMAN AND L4
L6 7035783 S CLON? OR EXPRESS? OR RECOMBINANT
L7 4193 S L5 AND L6
L8 709 S HUMAN(2W) L4
L9 1048437 S PLACENTA OR BURKITT(A) LYMPHOMA OR "B-CELLS" OR LEUKOCYT?
L10 136 S L8 AND L9
L11 93 DUP REM L10 (43 DUPLICATES REMOVED)
E SHAO W/AU
L12 284 S E3
E MERKULOV G V/AU
L13 171 S E3-E5
E DI FRANCESCO V/AU
L14 117 S E3-E4
E BEASLEY E M/AU
L15 325 S E3

=> s l12 or l13 or l14 or l15

L16 815 L12 OR L13 OR L14 OR L15

=> s l4 and l16

L17 3 L4 AND L16

=> dup rem l17

PROCESSING COMPLETED FOR L17

L18 2 DUP REM L17 (1 DUPLICATE REMOVED)

=> d 1-2 ibib ab

L18 ANSWER 1 OF 2 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
DUPLICATE 1

ACCESSION NUMBER: 2003-06720 BIOTECHDS

TITLE: New peptide from **NADPH oxidase** family,
useful for preparing a pharmaceutical composition for
treating a disease or condition mediated by a human enzyme
protein e.g., Burkitt lymphoma;
human recombinant protein production and its encoding gene
useful for cancer gene therapy

AUTHOR: SHAO W; MERKULOV G V; DI FRANCESCO V;
BEASLEY E M

PATENT ASSIGNEE: PE CORP NY

PATENT INFO: WO 2002079224 10 Oct 2002

APPLICATION INFO: WO 2002-US9144 26 Mar 2002

PRIORITY INFO: US 2001-820005 29 Mar 2001; US 2001-820005 29 Mar 2001

DOCUMENT TYPE: Patent

LANGUAGE: English

OTHER SOURCE: WPI: 2003-040646 [03]

AB DERWENT ABSTRACT:

NOVELTY - An isolated peptide comprises a 386 residue amino acid sequence (S1), given in the specification or its allelic variant, ortholog or fragment, is new. The allelic variant or ortholog is encoded by a nucleic acid that hybridizes under stringent conditions to the opposite strand of a 1382 or 18853 base pair sequence (S2), given in the specification. The fragment comprises at least 10 contiguous amino acids of (S1).

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following: (1) an isolated antibody that selectively binds to the peptide; (2) an isolated nucleic acid comprising a sequence or its complement that hybridizes under stringent conditions to the opposite strand of the nucleic acid comprising (S2) or encoding the peptide or its allelic variant, ortholog or fragment; (3) a gene chip comprising the isolated nucleic acid of (2); (4) a transgenic non-human animal comprising the isolated nucleic acid of (2); (5) a vector comprising the isolated nucleic acid of (2); (6) a host cell containing the vector of (5); (7) producing the novel peptide, comprising culturing a cell of (6) under expression conditions, and recovering the polypeptide; (8) a method for detecting the presence of the peptide or nucleic acid in a sample; (9) a method for identifying a modulator of, or an agent that binds to, the peptide; (10) a pharmaceutical composition comprising the agent that binds to the peptide and a carrier; (11) a method for treating a disease or condition mediated by a human enzyme protein; (12) a method for identifying a modulator of the expression of the peptide; (13) an isolated human enzyme peptide having a sequence that shares at least 70 % homology with (S1).

BIOTECHNOLOGY - Preferred Peptide: The isolated human enzyme peptide has a sequence that shares at least 70 or 90 % homology with (S1). Preferred Nucleic Acid: The nucleic acid molecule encodes the human enzyme peptide and shares at least 80 or 90 % homology with the nucleic acid having a sequence comprising (S2). Preferred Method: Detecting the presence of the novel peptide in a sample comprises: (a) contacting the sample with a detection agent that specifically allows detection of the presence of the peptide in the sample; and (b) detecting the presence of the peptide. Detecting the presence of the nucleic acid of (2) in a sample comprises: (a) contacting the sample with the oligonucleotide that hybridizes to the nucleic acid under stringent conditions; and (b) determining if the oligonucleotide binds to the nucleic acid in the sample. Identifying a modulator of the novel peptide comprises: (a) contacting the peptide with an agent; and (b) determining if the agent has modulated the function or activity of the peptide. The agent is administered to the host cell. Identifying an agent that binds to the peptide comprises: (a) contacting the peptide with an agent; and (b) assaying the contacted mixture to determine if a complex is formed with the agent bound to the peptide. Treating a disease or condition mediated by a human enzyme protein comprises administering to a patient the agent that binds to the peptide. Identifying a modulator of the expression of the novel peptide comprises: (a) contacting the host cell with an agent; and (b) determining if the agent has modulated the expression of the peptide. Preparation (claimed): Producing the novel peptide comprises: (a) introducing the nucleotide sequence encoding the peptide into the host cell; and (b) culturing the host cell for expression of the peptides from the nucleotide sequence.

ACTIVITY - Cytostatic. is No biological data given.

MECHANISM OF ACTION - Gene therapy.

USE - The peptide is useful for preparing a pharmaceutical composition for treating a disease or condition mediated by a human enzyme protein (claimed) e.g. Burkitt lymphoma. (66 pages)

L18 ANSWER 2 OF 2 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
ACCESSION NUMBER: 2003:56971 BIOSIS
DOCUMENT NUMBER: PREV200300056971
TITLE: Isolated human NADPH oxidase, nucleic
acid molecules encoding said proteins, and uses thereof.

AUTHOR(S): Shao, Wei [Inventor, Reprint Author]; **Merkulov, Gennady V.** [Inventor]; Di Francesco, Valentina [Inventor]; Beasley, Ellen M. [Inventor]
CORPORATE SOURCE: ASSIGNEE: PE Corporation (NY)
PATENT INFORMATION: US 6489149 December 03, 2002
SOURCE: Official Gazette of the United States Patent and Trademark Office Patents, (Dec 3 2002) Vol. 1265, No. 1.
<http://www.uspto.gov/web/menu/patdata.html>. e-file.
ISSN: 0098-1133 (ISSN print).
DOCUMENT TYPE: Patent
LANGUAGE: English
ENTRY DATE: Entered STN: 22 Jan 2003
Last Updated on STN: 22 Jan 2003

AB The present invention provides amino acid sequences of peptides that are encoded by genes within the human genome, the enzyme peptides of the present invention. The present invention specifically provides isolated peptide and nucleic acid molecules, methods of identifying orthologs and paralogs of the enzyme peptides, and methods of identifying modulators of the enzyme peptides.

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FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS, LIFESCI' ENTERED AT 11:21:02 ON 22 APR 2005

L1 1308905 S KINASE?
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L5 12292 S HUMAN AND L4
L6 7035783 S CLON? OR EXPRESS? OR RECOMBINANT
L7 4193 S L5 AND L6
L8 709 S HUMAN(2W)L4
L9 1048437 S PLACENTA OR BURKITT(A)LYMPHOMA OR "B-CELLS" OR LEUKOCYT?
L10 136 S L8 AND L9
L11 93 DUP REM L10 (43 DUPLICATES REMOVED)
E SHAO W/AU
L12 284 S E3
E MERKULOV G V/AU
L13 171 S E3-E5
E DIFRANCESCO V/AU
L14 117 S E3-E4
E BEASLEY E M/AU
L15 325 S E3
L16 815 S L12 OR L13 OR L14 OR L15
L17 3 S L4 AND L16
L18 2 DUP REM L17 (1 DUPLICATE REMOVED)

	Issue Date	Pages	Document ID	Title
1	20050324	59	US 20050063958 A1	Methods for genetic modification of hematopoietic progenitor cells and uses of the modified cells
2	20050224	67	US 20050042643 A1	ELAVL-1
3	20050210	88	US 20050032794 A1	Diamine derivatives of quinone and uses thereof
4	20040708	51	US 20040132084 A1	Isolated human enzyme proteins, nucleic acid molecules encoding human enzyme proteins, and uses thereof
5	20040513	28	US 20040091466 A1	Regulatory protein for nox enzymes
6	20040415	60	US 20040072771 A1	Methods for genetic modification of hematopoietic progenitor cells and uses of the modified cells
7	20040219	324	US 20040033495 A1	Methods of diagnosis of angiogenesis, compositions and methods of screening for angiogenesis modulators
8	20040212	570	US 20040029114 A1	Methods of diagnosis of breast cancer, compositions and methods of screening for modulators of breast cancer
9	20040122	230	US 20040016025 A1	Rice promoters for regulation of plant expression
10	20040122	22	US 20040014111 A1	Methods for the identification of IKKalpha function and other genes useful for treatment of inflammatory diseases

	Issue Date	Pages	Document ID	Title
11	20040115	60	US 20040009901 A1	Autoimmune conditions and NADPH oxidase defects
12	20040115	175	US 20040009167 A1	Anti-pathogen treatments
13	20040101	27	US 20040001818 A1	Methods of inhibiting angiogenesis using NADPH oxidase inhibitors
14	20031009	40	US 20030190650 A1	Screening method
15	20030904	51	US 20030166185 A1	Isolated human enzyme proteins, nucleic acid molecules encoding human enzyme proteins, and uses thereof
16	20030814	278	US 20030154032 A1	Methods and compositions for diagnosing and treating rheumatoid arthritis
17	20030807	22	US 20030149090 A1	Compositions for the treatment of infectious diseases
18	20030807	38	US 20030148316 A1	Methods and compositions relating to plasmacytoid dendritic cells
19	20030724	58	US 20030138954 A1	Methods and compositions relating to restricted expression lentiviral vectors and their applications
20	20030724	34	US 20030138793 A1	Molecular signatures of commonly fatal carcinomas
21	20030703	64	US 20030124579 A1	Methods of diagnosis of ovarian cancer, compositions and methods of screening for modulators of ovarian cancer

	Issue Date	Pages	Document ID	Title
22	20030626	32	US 20030119770 A1	Intercellular delivery of a herpes simplex virus VP22 fusion protein from cells infected with lentiviral vectors
23	20030612	32	US 20030108890 A1	In silico screening for phenotype-associated expressed sequences
24	20030508	87	US 20030087818 A1	Compositions and methods for the therapy and diagnosis of colon cancer
25	20030501	214	US 20030082724 A1	Compositions affecting programmed cell death and their use in the modification of plant development
26	20030123	17	US 20030017597 A1	Hybrid vectors for gene therapy
27	20020829	28	US 20020120013 A1	Regulation of phospholipase D activity
28	20020808	28	US 20020107289 A1	Regulation of phospholipase D activity
29	20020620	15	US 20020077317 A1	Method of potentating the action of 2-methoxyoestradiol, statins and C-peptide of proinsulin
30	20050308	21	US 6864288 B2	Regulation of phospholipase D activity
31	20050222	9	US 6858386 B1	Method of diagnosing, monitoring, staging, imaging and treating colon cancer
32	20050201	37	US 6849420 B2	Method for determining modulation of p110.delta. activity
33	20050125	45	US 6846672 B2	Mitogenic oxygenase regulators
34	20041019	17	US 6806080 B2	Hybrid vectors for gene therapy

	Issue Date	Pages	Document ID	Title
35	20040622	65	US 6753314 B1	Protein-protein complexes and methods of using same
36	20040323	48	US 6709850 B2	Isolated human enzyme proteins, nucleic acid molecules encoding human enzyme proteins, and uses thereof
37	20040316	434	US 6706867 B1	DNA array sequence selection
38	20031014	32	US 6632670 B1	AAV vectors for gene therapy
39	20021203	51	US 6489149 B1	Isolated human NADPH oxidase, nucleic acid molecules encoding said proteins, and uses thereof
40	20021119	35	US 6482623 B1	Lipid kinase
41	20021022	34	US 6468771 B1	Adeno-associated virus and adenovirus chimeric recombinant viruses useful for the integration of foreign genetic information into the chromosomal DNA of target cells
42	20020305	26	US 6353026 B1	Regulation of phospholipase D activity
43	20010206	36	US 6184203 B1	Regulation of oxidative burst using LMWG-derived peptides and analogs
44	20000509	19	US 6060317 A	Method of transducing mammalian cells, and products related thereto
45	20000125	105	US 6017734 A	Unique nucleotide and amino acid sequence and uses thereof
46	19980310	35	US 5726155 A	Regulation of oxidative burst using LMWG-derived peptides and analogs

	Issue Date	Pages	Document ID	Title
1	20040708	13	US 20040132105 A1	Methods of detecting disorders involving defective p-selectin glycoprotein ligand or defective p-selectin
2	20040708	51	US 20040132084 A1	Isolated human enzyme proteins, nucleic acid molecules encoding human enzyme proteins, and uses thereof
3	20040304	24	US 20040043934 A1	Synthetic peptides that inhibit leukocyte superoxide anion production and/or attract leukocytes
4	20030904	51	US 20030166185 A1	Isolated human enzyme proteins, nucleic acid molecules encoding human enzyme proteins, and uses thereof
5	20030814	278	US 20030154032 A1	Methods and compositions for diagnosing and treating rheumatoid arthritis
6	20030703	24	US 20030125249 A1	Synthetic peptides that inhibit leukocyte superoxide anion production and/or attract leukocytes
7	20030612	32	US 20030108890 A1	In silico screening for phenotype-associated expressed sequences
8	20030424	26	US 20030077705 A1	High-affinity antagonists of ELR-CXC chemokines
9	20030417	13	US 20030072755 A1	Methods of treatment using antibodies to P-selectin glycoprotein ligand
10	20030410	31	US 20030069265 A1	Therapeutics for chemokine mediated diseases
11	20020905	13	US 20020122796 A1	Method for Inhibiting reperfusion injury using antibodies to P-selectin glycoprotein ligand

	Issue Date	Pages	Document ID	Title
12	20020829	28	US 20020120013 A1	Regulation of phospholipase D activity
13	20020808	28	US 20020107289 A1	Regulation of phospholipase D activity
14	20050308	21	US 6864288 B2	Regulation of phospholipase D activity
15	20041130	721	US 6824783 B1	Methods for inhibition of membrane fusion-associated events, including HIV transmission
16	20040330	23	US 6713605 B1	Synthetic peptides that inhibit leukocyte superoxide anion production and/or attract leukocytes
17	20040323	48	US 6709850 B2	Isolated human enzyme proteins, nucleic acid molecules encoding human enzyme proteins, and uses thereof
18	20040316	434	US 6706867 B1	DNA array sequence selection
19	20040316	24	US 6706767 B2	Therapeutics for chemokine mediated diseases
20	20031223	16	US 6667036 B2	Methods of treatment using antibodies to P-selectin glycoprotein ligand
21	20030211	716	US 6518013 B1	Methods for the inhibition of epstein-barr virus transmission employing anti-viral peptides capable of abrogating viral fusion and transmission
22	20030114	20	US 6506382 B2	Method for inhibiting reperfusion injury using antibodies to P-selectin glycoprotein ligand

	Issue Date	Pages	Document ID	Title
23	20021203	51	US 6489149 B1	Isolated human NADPH oxidase, nucleic acid molecules encoding said proteins, and uses thereof
24	20021112	747	US 6479055 B1	Methods for inhibition of membrane fusion-associated events, including respiratory syncytial virus transmission
25	20020305	26	US 6353026 B1	Regulation of phospholipase D activity
26	20011030	16	US 6309639 B1	Method for inhibiting an inflammatory response using antibodies to P-selectin glycoprotein ligand
27	20010508	723	US 6228983 B1	Human respiratory syncytial virus peptides with antifusogenic and antiviral activities
28	20010206	36	US 6184203 B1	Regulation of oxidative burst using LMWG-derived peptides and analogs
29	20010123	13	US 6177547 B1	Antibodies to P-selectin glycoprotein ligand
30	20001017	15	US 6133039 A	In vivo method for determination of oxidative stress
31	19991130	75	US 5994070 A	Trio molecules and uses related thereto
32	19990511	16	US 5902831 A	Prevention of atherosclerosis using NADPH oxidase inhibitors
33	19990309	19	US 5880091 A	Glycoprotein ligand for P-selectin and methods of use thereof
34	19981222	19	US 5852175 A	P-selectin glycoprotein ligand blocking antibodies

	Issue Date	Pages	Document ID	Title
35	19980609	10	US 5763496 A	Prevention of atherosclerosis using NADPH oxidase inhibitors
36	19980310	35	US 5726155 A	Regulation of oxidative burst using LMWG-derived peptides and analogs
37	19951107	14	US 5464778 A	Glycoprotein ligand for P-selectin and methods of use thereof
38	19890418	28	US 4822606 A	Immunosuppressive synthetic peptides and analogs thereof based on retroviral envelope sequences

	Issue Date	Pages	Document ID	Title
1	20050106	212	US 20050003341 A1	Drug discovery assays based on the biology of atherosclerosis, cancer, and alopecia
2	20041007	41	US 20040197909 A1	Parallel macromolecular delivery and biochemical/electrochemical interface to cells employing nanostructures
3	20040708	51	US 20040132084 A1	Isolated human enzyme proteins, nucleic acid molecules encoding human enzyme proteins, and uses thereof
4	20031016	85	US 20030195256 A1	Inhibitors of nitric oxide synthase
5	20030904	51	US 20030166185 A1	Isolated human enzyme proteins, nucleic acid molecules encoding human enzyme proteins, and uses thereof
6	20040629	37	US 6756035 B2	Anti-CCR1 antibodies and methods of use therefor
7	20040420	39	US 6723570 B2	Methods of use for anti-CCR1 antibodies
8	20040323	48	US 6709850 B2	Isolated human enzyme proteins, nucleic acid molecules encoding human enzyme proteins, and uses thereof
9	20030128	80	US 6511800 B1	Methods of treating nitric oxide and cytokine mediated disorders
10	20021203	51	US 6489149 B1	Isolated human NADPH oxidase, nucleic acid molecules encoding said proteins, and uses thereof
11	20020416	25	US 6372733 B1	Hexahydro-5-imino-1,4-1,4-thiazepine derivatives as inhibitors of nitric oxide synthases

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12	20011211	35	US 6329510 B1	Anti-CCR1 antibodies and methods of use therefor
13	20010703	35	US 6255497 B1	Method for the inhibition of ALDH-I useful in the treatment of alcohol dependence or alcohol abuse
14	20000328	20	US 6043358 A	Hexahydro-5-imino-1,4-heteroazepine derivatives as inhibitors of nitric oxide synthases
15	19991026	34	US 5972975 A	Substituted 2-aminopyridines as inhibitors of nitric oxide synthase
16	19990601	19	US 5908842 A	Substituted 2-acylamino-pyridines as inhibitors of nitric oxide synthase
17	19990323	35	US 5886028 A	Method for the inhibition of ALDH-I useful in the treatment of alcohol dependence or alcohol abuse
18	19981013	16	US 5821261 A	Substituted saturated aza heterocycles as inhibitors of nitric oxide synthase
19	19970513	37	US 5629322 A	Cyclic amidine analogs as inhibitors of nitric oxide synthase

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1	L1	4	"6489149"
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4	L4	668	nadph adj oxidase\$2
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6	L6	162	l4 same l5
7	L7	72455 6	clon\$3 or express\$3 or recombinant
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